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YMIN PRODUCT POSITIONING MARKET APPLICATION POSITIONING

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MARKET APPLICATION POSITIONING

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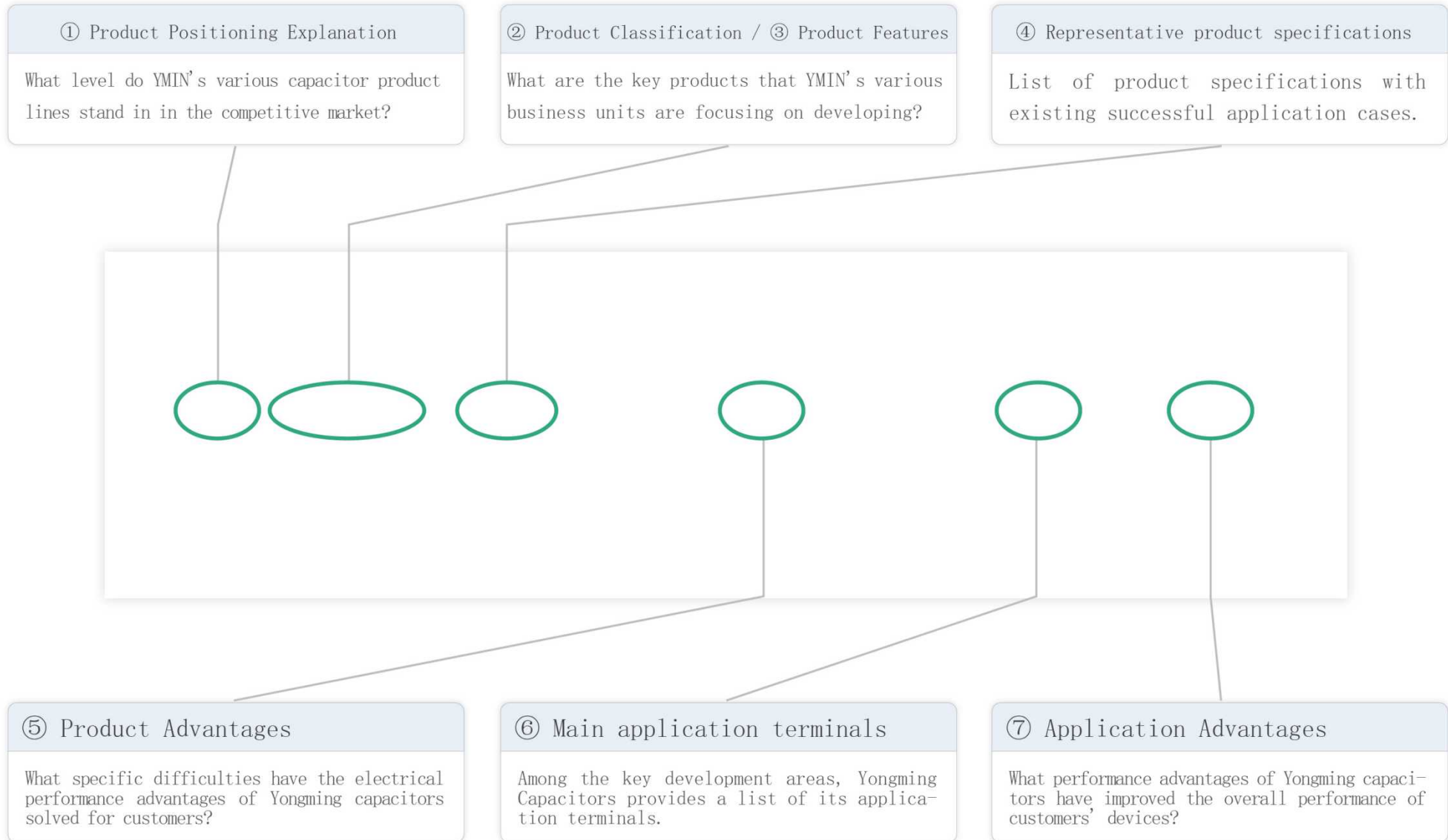
contents

Table of contents

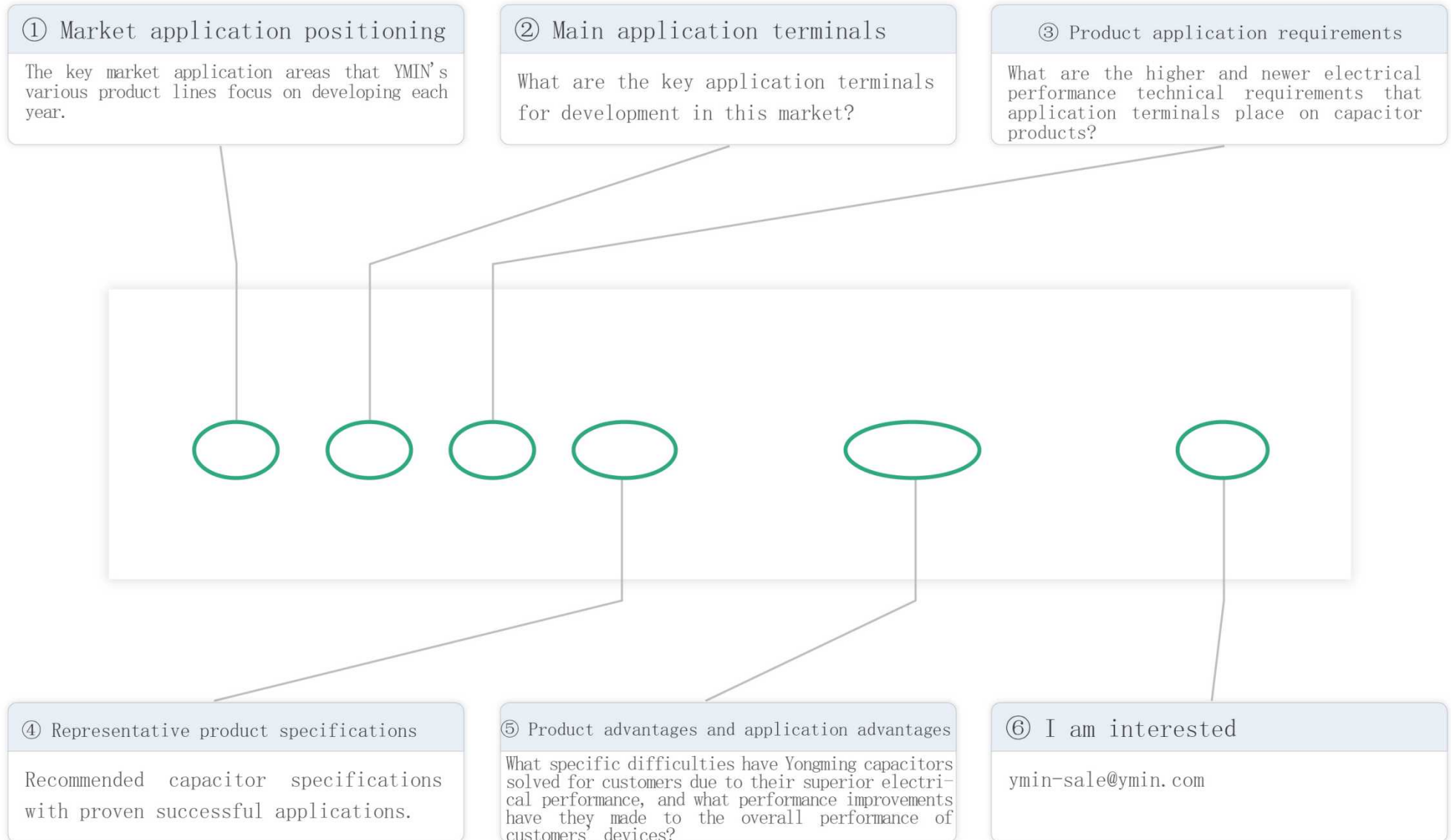
0 0	Product Positioning Manual Structure Description Product Positioning - Manual Structure Explanation / 01 Market Application Positioning - Manual Structure Explanation / 02		
<hr/>			
0 1	Metallized polypropylene film capacitors Product Positioning / 03 Market Application Positioning / 04	0 6	Liquid surface mount aluminum electrolytic capacitors Product Positioning / 16~17 Market Application Positioning / 18~20
0 2	Conductive polymer tantalum electrolytic capacitor Product Positioning / 05 Market Application Positioning / 06	0 7	Liquid lead large diameter aluminum electrolytic capacitor Product positioning / 21~22 Market application positioning / 23~24
0 3	Multilayer ceramic chip capacitor Product Positioning / 07 Market Application Positioning / 08	0 8	Liquid lead small diameter aluminum electrolytic capacitor Product positioning / 25~27 Market application positioning / 28~30
0 4	Multilayer polymer solid aluminum electrolytic capacitor Product Positioning / 09 Market Application Positioning / 10	0 9	Large liquid aluminum electrolytic capacitors Product Positioning / 31 Market Application Positioning / 32
0 5	Polymer solid/solid-liquid hybrid aluminum electrolytic capacitors Product Positioning / 11~12 Market Application Positioning / 13~15	1 0	Hybrid supercapacitor/double-layer capacitor Product positioning / 33~34 Market application positioning / 35~36



Product Positioning – Manual Structure Explanation



Product Positioning - Manual Structure Explanation





Metallized polypropylene film capacitors

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
Alternatives to international counterparts TDK VISHAY Panasonic	MDP Series Standard Square Case Capacitors 105°C 100,000-Hour Warranty	MDP Series Rated Voltage Un: 450V~1500V Rated Capacitance Cn: 5~220 μF	It offers lower ESR, higher ripple resistance, and better cost advantages compared to international leading brands such as TDK, Panasonic, and Vishay, while maintaining the same specifications and dimensions.	Distributed photovoltaic inverters/modular high-voltage power supplies; wind-solar hybrid inverters/bidirectional energy storage inverters (PCS)	This specification is primarily used in high-voltage power supplies for photovoltaic inverters. DC-Link film capacitors can withstand very high ripple current and are largely unaffected by operating temperature.
	MDP(X) Series: High Capacity Density, 105°C, 100,000-Hour Guarantee	MDP(X) Series Rated Voltage Un: 450V~1700V Rated Capacitance Cn: 7~250 μF	With the same pressure rating and dimensions, the capacity is increased by 43% compared to domestic and international counterparts, ensuring a lifespan of 100,000 hours at 105°C.;		Especially in high-voltage power systems where the cost advantage of aluminum electrolytic capacitors is no longer significant, film capacitors offer certain advantages. They eliminate the need for series connection, ensuring a lifespan of over 20 years. Three-phase high-power inverters, typically with a 1000V bus and power outputs of 50kW to 1MW and above, generally choose film capacitors.
	MDP(H) Series High Heat Resistance Film Capacitors 125°C 100,000-Hour Guarantee	MDP(H) Series Rated withstand voltage Un: 450V~2000V Rated capacitance Cn: 5~200 μF	Environmental adaptability, capable of continuous use at ambient temperatures up to 125°C; Limited-time ultra-high temperature resistance up to 150°C; Self-healing capability, self-healing function in high-temperature areas; Safe and reliable, open-circuit failure mode.	High-pressure oil pumps, high-pressure fan power supply controllers, uninterruptible power supplies, mining power supplies, stage lighting systems, and high-temperature applications, etc.	It can be used continuously at an ambient temperature of 125°C, and has an ultra-high temperature resistance of 150°C for a limited time; for high-temperature occasions with limited heat dissipation conditions, most customers are not very sensitive to price as long as their special needs are met.
	MDR Series Customized Modular Capacitors Standardized Products 105°C 100,000-Hour Guarantee	MDR Series Rated Voltage Un: 450V~1700V Rated Capacitance Cn: 100~1500 μF	New energy vehicle bus capacitors feature epoxy resin encapsulation dry-type design, self-healing properties, low ESL and low ESR, strong ripple current withstand capability, isolated metallized film design, and high customization/integration.	DC support filter circuits, main drive systems for pure electric and hybrid vehicles, and other applications requiring customization.	Features include self-healing properties, low ESL and low ESR, strong ripple current withstand capability, and an isolated metallized film design; customized product series for vehicle electric drive manufacturers.
	MDR(X) Series Customized Modular Capacitors High-capacity, customized products with a 105°C, 100,000-hour warranty	MDR(X) Series Rated Voltage Un: 450V~1700V Rated Capacity Cn: 100~2200 μF	New energy vehicle bus capacitors feature epoxy resin encapsulation and dry-type design. They possess self-healing properties, low ESL, and low ESR. They also boast strong ripple current handling capability, an isolated metallized film design, and high customization/integration. Under the same design conditions, the capacity is increased by 48%.	Highly integrated, miniaturized high-power DC support filter circuits for power supplies; high-performance main drive systems for pure electric new energy and hybrid vehicles; and applications requiring high capacity and power density.	High power density, with a 48% increase in capacity under the same design conditions.
	MDR(H) Series Customized Modular Capacitors High-Heat-Resistance Customized Products 125°C 100,000-Hour Guarantee	MDR(H) Series Rated Voltage Un: 450V~1200V Rated Capacity Cn: 100~1500 μF	New energy vehicle bus capacitors with epoxy resin encapsulation and dry-type design; self-healing properties, low ESL, low ESR; strong ripple current withstand capability; isolated metallized film design; highly customized/integrated; can be used continuously at an ambient temperature of 125°C; ultra-high temperature resistance of 150°C for a limited time.	Customized DC support filter circuits for high-temperature environments, suitable for high-voltage power supplies, deep well oil pumps, high-temperature boilers, and other applications with	It can be used continuously at an ambient temperature of 125°C; suitable for applications with relatively poor heat dissipation and high product lifespan requirements.

Metallized polypropylene film capacitors

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested
<p>Advances in film capacitor manufacturing processes and technologies have expanded their application range. Compared to earlier models, film capacitors are smaller in size and have lower manufacturing costs, giving them a competitive advantage in the capacitor market. The equivalent capacitance of film capacitors can reach half that of traditional capacitors.</p>	Wind-solar hybrid inverter	4DIP~2DIP Square Case High Pressure Resistance/Large Ripple	MDP-600V-110 μ F	<p>It offers lower ESR, higher ripple resistance, and better cost advantages compared to international leading brands such as TDK, Panasonic, and Vishay, while maintaining the same specifications and dimensions.</p>	<p>ymin-sale@ymin.com</p>
			MDP-800V-110 μ F		
			MDP-1100V-20 μ F		
<p>Customized module capacitors for main drives have become mainstream in the industry. Compared with similar designs, the MDR series has stronger structural strain capability, better ESL simulation design, superior structural design, and better early-stage coordination support.</p>	New energy vehicle main drive	<p>Customized according to the customer's main structure and busbar configuration, meeting capacity and withstand voltage requirements;</p> <p>ESL requirement within 5mH.</p>	MDR-1200V-550 μ F	<p>New energy vehicle bus capacitors feature epoxy resin encapsulation dry-type design, self-healing properties, low ESL/low ESR, and strong ripple current withstand capability. They also feature an isolated metallized film design and are highly customizable and integrated.</p>	
<p>The all-in-one controller in the oil pump requires capacitors with excellent temperature characteristics and no need for heat dissipation. The MDP(H) series capacitors have ultra-high temperature characteristics, low heat dissipation requirements, are suitable for fanless designs, and ensure a lifespan of more than 20 years.</p>	All-in-one controller	<p>It is used in an oil pump with a sealing function, operating at temperatures above 100°C, and requires good temperature characteristics as there is no need for heat dissipation.</p>	MDP(H)-1000V-20 μ F	<p>Environmental adaptability, capable of continuous use at an ambient temperature of 125°C; ultra-high temperature resistance of 150°C for a limited time.</p>	
			MDP(H)-1200V-10 μ F		



Conductive polymer tantalum electrolytic capacitor

产品定位说明	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
Alternatives to international brands: Panasonic KEMET AVX	Ultra-thin (1.5mm)	TQD15-35V-47 μ F 7.3*4.3*1.5	Ultra-thin, large-capacity design, a	S S D	Yongming polymer tantalum capacitors have achieved breakthroughs in medium and high voltage capacity and ultra-high withstand voltage of 100V Max, enabling them to fully replace international brands in fields such as 5G communication, industrial power supplies, and laptops. They are also actively meeting the high requirements and standards of applications in fields such as AI servers and industrial robots, contributing to the localization of complete systems.
	Thin profile (1.9mm)	TQD19-16V-100 μ F 7.3*4.3*1.9	High energy density, small size, large capacity High reliability, long lifespan, reducing maintenance costs Slim design, effectively saving space Stable performance over a wide temperature range, suitable for harsh operating conditions		
		TQD19-25V-33 μ F 7.3*4.3*1.9			
		TQD19-35V-47 μ F 7.3*4.3*1.9			
		TQD19-35V-68 μ F 7.3*4.3*1.9			
		TQW19-35V-100 μ F 7.3*6.0*1.9			
	Large capacity (220 μ F Max)	TQD28-16V-220 μ F 7.3*4.3*2.8	High energy density, ultra-large capacity High reliability, long lifespan, reducing maintenance costs Stable performance over a wide temperature range, suitable for harsh operating conditions	Server motherboards/Laptop motherboards	
		TQD28-25V-100 μ F 7.3*4.3*2.8			
		TQW42-25V-330 μ F 7.3*4.3*4.2			
	High voltage, high capacity (220 μ F Max) Ultra-high withstand voltage (100V Max)	TQD42-35V-100 μ F 7.3*4.3*4.2	High energy density, ultra-large capacity; high reliability, long lifespan, reducing maintenance costs; stable performance over a wide temperature range, suitable for harsh operating conditions; ultra-high withstand voltage, low leakage current, improving circuit safety.	Server power supply / Industrial robot drive	
TQW42-35V-220 μ F 7.3*6.0*4.2					
TQD42-50V-68 μ F 7.3*4.3*4.2					
TQD42-63V-33 μ F 7.3*4.3*4.2					
TQD42-100V-12 μ F 7.3*4.3*4.2					

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Conductive polymer tantalum electrolytic capacitor

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested
Primarily used in the AI server market, this technology promotes the domestic production of tantalum capacitors, replacing international brands such as Panasonic and KEMET.	AI server motherboard	High stability/low ESR	TQD19-16V-100 μ F 7.3*4.3*1.9	Largest capacity in its size, a complete replacement for Panasonic and KEMET.	ymin-sale@ymin.com
			TQD28-16V-150 μ F 7.3*4.3*2.8		
			TQD28-16V-220 μ F 7.3*4.3*2.8		
	AI Server Power Supply	High voltage withstand/large capacity	TQD42-35V-100 μ F 7.3*4.3*4.2	High voltage resistance, ultra-large capacity;	
			TQW42-35V-220 μ F 7.3*6.0*4.2		
			TQD42-50V-68 μ F 7.3*4.3*4.2		
			TQD42-63V-33 μ F 7.3*4.3*4.2		
	SSD - Enterprise-grade Solid State Drive	High stability/thin design	TQD15-35V-47 μ F 7.3*4.3*1.5	Providing maximum capacitance in a minimal space improves overall integration and space utilization.	
			TQD19-35V-47 μ F 7.3*4.3*1.9		
			TQD19-35V-68 μ F 7.3*4.3*1.9		
TQW19-35V-100 μ F 7.3*6.0*1.9					
Capacitor Applications - Having Difficulties? Contact YMIN. New applications and solutions place new and higher demands on capacitors.	5G communication	Miniaturization/Large Capacity	TQD15-16V-100 μ F 7.3*4.3*1.5	Miniaturized products provide maximum capacitance in minimal space.	
			TQD19-16V-220 μ F 7.3*4.3*1.9		
			TQD19-25V-100 μ F 7.3*4.3*1.9		
	Industrial robots	Ultra-high pressure resistance/large capacity	TQD42-100V-4.7 μ F 7.3*4.3*2.8	Ultra-high voltage products / Replacement for ceramic capacitors / Space saving, contributing to the miniaturization of the entire system.	
			TQD42-100V-12 μ F 7.3*4.3*4.2		

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Multilayer ceramic chip capacitor

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
Replacing international high-end counterparts: Holy Stone	3KV Large Size High Voltage Resistance Products	H-2220-3KV-10nF	Excellent resistance to voltage surges; effectively withstands mechanical stress, thermal stress, and high bending; high reliability and excellent safety performance.	High-voltage DC power supply High-voltage pulse power supply	When used in ultra-high voltage lines (mainly high voltage DC power supplies), the high withstand voltage characteristics of the H-series products determine their stable DC support capability, further improving the safety and reliability of the entire application!
		H-2220-3KV-33nF			
Replacing international high-end counterparts: Holy Stone	3KV Small Size High Q High Voltage Resistance	Q-1206-3KV-39pF	It boasts ultra-high voltage resistance and high Q in an extremely small size.	X-ray machine, ultrasound equipment, defibrillator, blood pressure analyzer, electrosurgical equipment, mass spectrometer.	When applied in microwave/RF circuits, it can effectively reduce signal attenuation and energy loss, enhance signal transmission power, reduce bit error rate, and improve overall product performance! Especially useful in the field of high-precision medical power supplies!
		Q-1206-3KV-27pF			
Replacement for high-end international counterparts: Holy Stone/TDK Replacement for film capacitors: A perfect replacement in space-constrained environments.	High voltage, high Q resonant components	Q-2220-1KV-1nF	It has excellent frequency characteristics, high voltage resistance, and is suitable for high-power resonant circuits.	High-power wireless charger (1KW and above)	In high-power wireless charging applications, the primary focus is on replacing film capacitors of the same specifications. The Q-series products offer excellent temperature characteristics, providing significant space savings and numerous replacement advantages for applications requiring high precision and reliability.
		Q-2220-1KV-10nF			

Multilayer ceramic chip capacitor

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	
<p>High-voltage power supplies are widely used in industrial automation control, military equipment, industrial control equipment, communication equipment, and power equipment. High-voltage power supply products have presented new requirements, necessitating power supply manufacturers to increase technological investment, introduce advanced equipment, continuously improve the technological content of their products, and develop new products. Consequently, the requirements for upstream components are constantly increasing, and high-performance, high-reliability components will maintain their competitive advantage.</p>	High voltage power supply	<p>Excellent resistance to voltage surges; effectively withstands mechanical stress, thermal stress, high bending strength, high reliability, and excellent safety performance.</p>	H-2220-3KV-10nF	<p>When used in ultra-high voltage lines (mainly high voltage DC power supplies), the high withstand voltage characteristics of the H-series products determine their stable DC support capability, further improving the safety and reliability of the entire application!</p>	ymin-sale@ymin.com
			H-2220-3KV-33nF		
<p>As the domestic medical industry gains greater acceptance of high-quality domestically produced power supplies, Chinese-made medical power supplies are gradually replacing imported brands, especially in some low-to-mid-range product areas. Government policies supporting domestically produced medical devices have also contributed to this trend.</p>	Medical power supply	High voltage withstand / High Q / Small size	Q-1206-3KV-39pF	<p>When applied in microwave/RF circuits, it can effectively reduce signal attenuation and energy loss, enhance signal transmission power, reduce bit error rate, and improve overall product performance! Especially useful in the field of high-precision medical power supplies!</p>	
			Q-1206-3KV-27pF		
<p>With the continued growth in demand for wireless charging in new energy vehicles, industrial equipment, and other high-power electronic products, efficient and stable high-power wireless charging technology has become a research hotspot. YMIN has targeted this market trend and launched a high-voltage, high-Q ceramic multilayer chip capacitor (MLCC). Thanks to its excellent performance indicators and compact design, it has demonstrated outstanding application results in high-power wireless charging systems.</p>	High-power wireless charging	Excellent frequency response/high voltage withstand	Q-2220-1KV-1nF	<p>In high-power wireless charging applications, the main focus is on replacing film capacitors of the same specifications. The Q series products have excellent temperature characteristics. In applications requiring high precision and high reliability, in addition to saving space significantly, they also offer many replacement advantages.</p>	
			Q-2220-1KV-10nF		



Multilayer polymer solid aluminum electrolytic capacitor

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages	
An alternative to international brand Panasonic: ultra-thin 1.0mm high-capacity products. Alternatives to international brands Panasonic, Kemet (or similar brand) multilayer polymer capacitors, and polymer tantalum capacitors.	Ultra-thin (1mm High voltage withstand (16V-50V) Slim profile (1.9mm thickness))	MPD10-16V-47 μ F	7.3*4.3*1.0	1mm ultra-thin size, large capacity storage	External gaming keyboard for mobile phones	Compared to polymer tantalum capacitors, multilayer polymer solid aluminum electrolytic capacitors have lower ESR and better ripple resistance. Compared to ceramic capacitors, multilayer polymer solid aluminum electrolytic capacitors have no howling, large capacity, and will not crack due to PCB bridging.
		MPD19-16V-100 μ F	7.3*4.3*1.9	The product adopts industry-leading technology and has excellent performance.	DC-DC power module/gateway	
		MPD19-25V-33 μ F	7.3*4.3*1.9	High-capacity products improve power management efficiency.	Laptop/Satellite Receiver	
		MPD19-25V-47 μ F	7*4.3*1.9	High-capacity products can meet the needs of higher current or higher stability.	Server/Wireless Charging	
		MPD19-25V-68 μ F	7.3*4.3*1.9	Large capacity products	DC-DC power module	
		MPD19-35V-22 μ F	7.3*4.3*1.9	High voltage, large capacity design.	VR smart wearables/lighting	
		MPD19-35V-33 μ F	7.3*4.3*1.9	High voltage, large capacity design.	SSD	
		MPD19-50V-10 μ F	7.3*4.3*1.9	High voltage, 50V max.	DC-DC power module	
		MPX-2.5V-220 μ F	7.3*4.3*1.9	Compliant with AEC Q200 certification, and with an ESR below 4.5m	智能驾驶控制系统	
MPX-2.5V-470 μ F	7.3*4.3*1.9	Ω.				
Alternatives to international brands Panasonic, Kemet (or similar brand) multilayer polymer capacitors, and polymer tantalum capacitors.	Ultra-high withstand voltage (100V max.) Large capacity (820 μ F max.)	MPD28-16V-150 μ F	7.3*4.3*2.8	Large capacity products	DC-DC power module / UAV flight control	It can replace ceramics and, compared to ceramics, it has no whistling sound and no piezoelectric effect.
		MPD28-20V-100 μ F	7.3*4.3*2.8	High voltage, large capacity design.	Communication switching equipment	
		MPD28-25V-100 μ F	7.3*4.3*2.8	High voltage capacitors, a perfect replacement for polymer tantalum capacitors.	Fast charging/drone speed controller	
		MPD28-35V-33 μ F	7.3*4.3*2.8	High voltage, high capacity product;	SSD	
		MPD28-35V-47 μ F	7.3*4.3*2.8	High-voltage, high-capacity products,	SSD/VR smart wearables/3D scanner	
		MPD28-50V-15 μ F	7.3*4.3*2.8	For high-voltage products with a maximum capacity of 50V, only our company and Jiangsu Zhenhua Xinyun can mass-produce them. Our products can reach a capacity of 15 μ F, while Zhenhua Xinyun's products only reach 8.2 μ F.	Computer power supply/air conditioner thermostat	
		MPD28-80V-6.8 μ F	7.3*4.3*2.8	The highest voltage in the industry.	LED high-voltage light strip	
		MPD28-100V-4.7 μ F	7.3*4.3*2.8	Industry's highest voltage.	LED high-voltage light strip	

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Multilayer polymer solid aluminum electrolytic capacitor

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested
Capacitor Application Challenges - Contact YMIN High Requirements for Multilayer Capacitors in New Applications and Solutions	AI server SSD solid-state drive	High voltage withstand /large capacity	MPD19-35V-33 μ F 7.3*4.3*1.9	<ul style="list-style-type: none"> ① Highly reliable product with stable long-term performance ② Ultra-low ESR product with strong ripple resistance ③ Low leakage current product with low static power consumption ④ Stable electrical performance across a wide operating temperature range 	ymin-sale@ymin.com
			MPD19-35V-47 μ F 7.3*4.3*1.9		
	AI Server Gateway	Low ESR/Large Capacity	MPD19-6.3V-220 μ F 7.3*4.3*1.9		
			MPD19-6.3V-330 μ F 7.3*4.3*1.9		
	AI server switch	Ultra-low ESR	MPD19-2.5V-470 μ F 7.3*4.3*1.9	<ul style="list-style-type: none"> ① Features low ESR, high permissible surge current, small size with large capacity, ensuring accurate and stable output, and controllable EMC; ② Withstands instantaneous high voltage and high current surges, ensuring stable operation at peak power output; ③ Adaptable to low temperature and low pressure operating conditions. 	
	drones	High voltage withstand /large capacity	MPD19-35V-33 μ F 7.3*4.3*1.9		
			MPD28-16V-150 μ F 7.3*4.3*2.8		
			MPD28-25V-100 μ F 7.3*4.3*2.8		
			MPU41-16V-270 μ F 7.2*6.1*4.1		
	intelligent robots	Ultra-high pressure resistance/large capacity	MPD28-80V-6.8 μ F 7.3*4.3*2.8	<ul style="list-style-type: none"> ① Ultra-high voltage products, replacing ceramic capacitors to solve the howling problem. ② Polymer capacitors, unaffected by piezoelectric effects leading to significant capacitance decay. ③ High-capacity products, replacing polymer tantalum capacitors; superior ESR compared to polymer tantalum capacitors; replaces ceramic capacitors; will not crack due to PCB bridging. 	
			MPD28-100V-4.7 μ F 7.3*4.3*2.8		
	Smart material rack	High voltage withstand /large capacity	MPD28-25V-100 μ F 7.3*4.3*2.8		
	Fine-pitch display screen	Thin profile/resistant to large ripple	MPD19-6.3V-100 μ F 7.3*4.3*1.9	<ul style="list-style-type: none"> ① High-reliability products, stable long-term performance ② Low ESR products, ensuring stable performance of small-pitch displays ③ Thin products, ensuring optimal design for application applications 	
			MPD19-10V-100 μ F 7.3*4.3*1.9		
	DC-DC power module	High voltage withstand /large capacity	MPD19-16V-100 μ F 7.3*4.3*1.9	<ul style="list-style-type: none"> ① Ultra-high voltage products, replacing ceramic capacitors to solve the howling problem. ② Polymer capacitors, unaffected by piezoelectric effects leading to significant capacitance decay. ③ High-capacity products, replacing polymer tantalum capacitors; superior ESR compared to polymer tantalum capacitors; replaces ceramic capacitors; will not crack due to PCB bridging. 	
			MPD19-20V-47 μ F 7.3*4.3*1.9		
			MPD19-25V-68 μ F 7.3*4.3*1.9		
	LED high-voltage light strip	High voltage withstand /large capacity	MPD19-35V-22 μ F 7.3*4.3*1.9		
MPD28-35V-39 μ F 7.3*4.3*2.8					
MPD28-80V-6.8 μ F 7.3*4.3*2.8					
MPD28-100V-4.7 μ F 7.3*4.3*2.8					
PD fast charging	Thin design/low leakage current	MPD19-12V-100 μ F 7.3*4.3*1.9	<ul style="list-style-type: none"> ① Highly reliable product with stable long-term performance. ② Ultra-low ESR product with strong ripple resistance. ③ Low leakage current product with low static power consumption. 		
		MPD28-25V-100 μ F 7.3*4.3*2.8			
Automotive electronics	Low ESR, compliant with AEC-Q200	MPX-2.5V-220 μ F 7.3*4.3*1.9	<ul style="list-style-type: none"> ① High reliability, stable long-term performance ② Ultra-low ESR, strong ripple resistance ③ Low leakage current, low quiescent power consumption 		
		MPX-2.5V-470 μ F 7.3*4.3*1.9			

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Polymer hybrid aluminum electrolytic capacitor

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
I. Replacements for high-end international counterparts: NCC, Nichicon, Panasonic, ELNA	Low ESR	VHT-25V-100 μ F 6.3*5.8	① Highly reliable product with stable long-term performance;	① Automotive electronic drive control; ② Electronic water pump/oil pump, electronic water valve, radiator fan, air conditioning control; ③ Braking, steering; ④ Domain control, chassis suspension; ⑤ T-BOX, radar, headlights, HUD; ⑥ Communication base station; ⑦ Humanoid robot/robotic arm;	YMIN's hybrid solid-liquid capacitors demonstrate superior performance in the automotive electronics field, widely covering diverse applications such as main drive systems, thermal management, safety components, lighting, battery management, and smart cockpits. With their significant advantages of high reliability and long-term stable performance, they have effectively replaced a large number of high-end Japanese brand capacitors. In the automotive electronics market, they have won the deep trust and high praise of numerous OEMs and Tier 1, Tier 2, and Tier 3 manufacturers, becoming an important force driving the high-quality development of the automotive electronics industry.
		VHT-25V-470 μ F 10*10.5	② Low leakage current product with low static power consumption;		
		VHT-35V-100 μ F 6.3*7.7	③ Maintains low ESR over a wide frequency range;		
		VHT-35V-330 μ F 10*10.5	④ Stable electrical performance over a wide temperature range;		
		VHT-50V-33 μ F 6.3*7.7	⑤ Withstands high voltage surges and instantaneous high current surges under overload conditions;		
		VHM-35V-68 μ F 6.3*5.8	⑥ Nominal shock resistance is 10G, actual shock resistance is 15-20G;		
		VHM-35V-560 μ F 10*13			
		VHM-80V-68 μ F 10*10.5			
		VHU-35V-270 μ F 10*10.5			
	High volume	VHX-16V-220 μ F 6.3*5.8	① High capacity density products, miniaturized large capacity;	① New energy vehicle drive control; ② Energy storage battery BMS;	
		VHX-35V-100 μ F 6.3*5.4	② Low leakage current products, low static power consumption;		
		VHT-50V-100 μ F 6.3*7.7	③ Maintaining low ESR over a wide frequency range;		
	earthquake-resistant products	VHT-25V-270 μ F 8*10.5 KZ	① Nominal shock resistance is 30G, actual shock resistance is 40-50G;	① Car electric water pump; ② Car brakes and steering;	
		VHT-25V-470 μ F 10*10.5 KZ	② Low leakage current, low static power consumption;		
		VHT-35V-100 μ F 6.3*7.7 KZ	③ Maintains low ESR over a wide frequency range;		
		VHT-35V-150 μ F 8*10.5 KZ	④ Stable electrical performance over a wide temperature range;		
		VHT-35V-270 μ F 10*10.5 KZ	⑤ Withstands high voltage surges and instantaneous high current surges under overload conditions;		
		VHT-50V-33 μ F 6.3*7.7 KZ			
		VHT-50V-120 μ F 10*10.5 KZ			
	VHR-25V-470 μ F 10*10.5 KZ				
	Resistant to switch	NGY-35V-100 μ F 5*11	① Highly reliable product with stable long-term performance;	① Enterprise-grade SSD solid-state drives;	
		NGY-35V-180 μ F 5*15	② Low leakage current product with low static power consumption;		
		NHT-35V-1800 μ F 12.5*20	③ Stable electrical performance over a wide temperature range;		
	High pressure resistance	VHT-100V-8.2 μ F 6.3*5.8	④ Withstands 10,000 high-frequency and deep charge-discharge cycles while maintaining over 92% of its initial capacitance;	① LED smart lighting ② Forklifts; military equipment; ③ Communication base stations	
		VHT-140V-56 μ F 12.5*13.5	⑤ Withstands high-voltage surges and instantaneous high-current surges under overload conditions;		
		NHX-100V-330 μ F 12.5*23	① High capacity density, miniaturized large capacity;		
		NHX-160V-220 μ F 12.5*16	② Low leakage current, low static power consumption;		
			③ Low ESR over a wide frequency range;	① Electric motorcycle controller;	
		④ Stable electrical performance over a wide temperature range;			
		⑤ Withstands ultra-high current surges, with individual capacitors withstanding surge currents of up to 30A or more.			

Note: The red-marked parts in the text indicate the updated content, which will help you quickly grasp the key updates.

Polymer solid aluminum electrolytic capacitor

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
II. Capacitor Applications, Having Difficulties? Contact YMIN: 1. High Capacitance Density, Small Size, Large Capacitance 2. Excellent Characteristics: Ultra-low ESR, Ultra-low Leakage Current, Wide Temperature Stability, Wide Frequency Stability III. Surface Mount Solid Capacitors: Top-notch Product Quality, Significant Price Advantage	Ultra-low ESR	VPC-2.5V-560 μF 6.3*5.8	① Superior ripple current tolerance, allowing for extremely high ripple currents with low capacitor heat generation, resulting in more stable and reliable performance; ② ESR as low as 5mΩ/100kHz, providing superior filtering effect and lower, more controllable system noise; ③ High ESR consistency, stable within ±0.5mΩ range; ④ Withstands 20A inrush current with stable capacitor performance;	① Communication base station; ② Server power supply; ③ Computer motherboard;	YMIN solid capacitors have made significant performance improvements and breakthroughs in multiple aspects, thus well meeting the special scenario requirements, high power density requirements, and continuous upgrade and iteration needs of applications such as gallium nitride PD fast charging, power banks, wireless fast charging, electronic detonators, military, and aerospace. They have made significant contributions in these fields.
		VPC-16V-270 μF 6.3*7.7			
		NPC-2.5V-820 μF 6.3*8			
		NPC-16V-270 μF 8*8			
	NPC-16V-1000 μF 10*12				
	高容量密度	VPT-25V-220 μF 6.3*5.8	① It achieves a 10% to 20% improvement in large-capacity miniaturization, currently ranking among the highest capacity density products in the industry; ② Other performance aspects remain unchanged, especially with further optimization and reduction of ESR parameters;	① PD fast charging; ② Power banks; ③ Industrial power supplies; ④ Internet of Things (IoT);	
		VPX-25V-270 μF 6.3*5.8			
		NPX-25V-470 μF 5.5*12			
		NPX-35V-120 μF 5.5*8			
	NPX-35V-1000 μF 6.3*23				
	Ultra-long lifespan	VPW-2.5V-560 μF 6.3*6.1	① Ultra-long lifespan product, with a working life of up to 15,000 hours at 105°C; ② Highly stable and reliable product; its performance remains stable with minimal parameter changes after long-term operation;	① Communication base station; ② Server power supply;	
		VPW-6.3V-330 μF 6.3*6.1			
		VPW-16V-100 μF 6.3*6.1			
		NPW-16V-1000 μF 10*12			
	Miniaturization	VP4-35V-47 μF 6.3*3.95	① High capacity density, miniaturized for large capacity; ② Low ESR; low leakage current; ③ Maintains low leakage current after high-temperature reflow soldering;	① PD fast charging; ② Power banks; ③ Industrial power supplies; ④ Internet of Things (IoT);	
		VPX-25V-100 μF 6.3*4.5			
NPX-25V-560 μF 5.5*15					
NPX-35V-560 μF 6.3*15					
NPX-25V-1000 μF 6.3*18					
Ultra-low leakage current	NPM-25V-68 μF 4*7	① Leakage current as low as 1 μA; ② Low low-temperature capacitance decay, with the capacitor's capacitance remaining stable at over 96% of its initial value at -40°C; ③ Long-term stability, with the capacitor's leakage current remaining stable for up to 36 months of storage; ④ Strong shock resistance, maintaining stable energy storage under harsh conditions such as vibration and shock.	① Electronic detonator; ② Power bank/wireless charger;		
	NPM-25V-82 μF 4*10				
	NPM-25V-100 μF 4*11				
	VPM-25V-100 μF 4*11				
	NPX-25V-100 μF 5*6				
High pressure resistance	VPH-200V-15 μF 10*13	① High voltage withstand capability: withstands voltage up to 200~250V; ② Low ESR, withstands large ripple current; ③ Can operate stably at high altitudes and high altitudes; ④ Stable long-term performance, parameter changes within 10 years do not exceed ±10% of the initial value;	① Military industry; ② Aerospace; ③ Power supply for special vehicles;		
	NPH-200V-47 μF 18*20				
	NPH-250V-10 μF 10*12				
	VPT-200V-22 μF 10*17				
NPT-250V-5.6 μF 8*11					
ultra-small diameter	NPM-6.3V-220 μF 4*7	① 3.55mm~4mm diameter, supports horizontal mounting and automated reflow soldering placement; ② High capacity density; low leakage current; low ESR; ③ Particularly suitable for ultra-thin applications. Can be used as a replacement for MLCCs.	① Wireless charging; ② PD fast charging;		
	NPM-25V-100 μF 3.55*11				
	NPM-35V-47 μF 3.55*11				
Extra large capacity	VPG-80V-680 μF 18*21	① Ultra-large capacity products with high capacity density; ② Ultra-low ESR, as low as 1.0mΩ, with excellent ripple resistance, capable of withstanding ripple current up to 14A; ③ 16mm~35mm diameter; ④ Stable capacity over a wide temperature range, excellent frequency response over a wide temperature range;	① Ship propulsion control; ② High-powered lawnmowers and other equipment; ③ Military equipment; ④ Oil exploration/extraction;		
	NPG-25V-4700 μF 18*20				
	NPG-100V-470 μF 18*25				
	NHR-80V-680 μF 18*31.5				
	SPX-100V-4700 μF 35*40				

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Polymer solid/hybrid aluminum electrolytic capacitors

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested	
Primarily used in the automotive electronics market, replacing high-end international competitors: NCC	Main drive/electronic control/OBC/DCDC	High frequency, high current, long lifespan, high temperature resistance	VHT-35V-150 μ F 8*10.5	① Highly reliable product with stable long-term performance; ② Low leakage current product with low static power consumption; ③ Maintains low ESR over a wide frequency range; ④ Stable electrical performance over a wide temperature range; ⑤ Withstands high voltage surges and instantaneous high current surges under overload conditions; ⑥ Nominal shock resistance is 10G, actual shock resistance is 20-30G; These excellent characteristics not only ensure the normal operation of the terminal under normal conditions, but also ensure continuous, stable, and reliable operation even in harsh environments such as changing weather and bumpy roads.	I am interested	
			VHT-35V-330 μ F 10*10.5			
			VHM-35V-150 μ F 8*10.5			
			VHU-35V-270 μ F 10*10.5			
	BSC - Brake Control; EPS - Power Steering	Instantaneous high current surge; stable power supply	VHT-35V-100 μ F 6.3*7.7			
			VHT-35V-330 μ F 10*10.5			
			VHU-35V-330 μ F 10*10.5			
	Thermal Management: Electric water pump/air conditioning compressor;	High temperature resistance / long lifespan / vibration resistance	VHU-50V-150 μ F 10*13			
			VHR-25V-470 μ F 10*13-KZ			
			VHT-25V-470 μ F 10*10.5			
	Car lights	Low impedance/long lifespan; supports stable driving of high-brightness LEDs.	VHM-35V-560 μ F 10*13			With advantages such as ESR, high ripple current resistance, wide temperature stability and excellent shock resistance, it can still work normally even in harsh conditions such as high temperature and vibration, with high reliability, and can meet the needs of use under various complex working conditions.
			VHR-35V-330 μ F 10*10.5			
			VHT-50V-33 μ F 6.3*7.7			
			VHT-50V-68 μ F 8*10			
			VHT-63V-47 μ F 8*10.5			
	Domain Controller	High stability / Long life / Vibration resistant	VHT-35V-47 μ F 6.3*5.8			① Its high voltage resistance helps it withstand voltage fluctuations and pulse surges during vehicle headlight operation, preventing breakdown; ② Low ESR ensures rapid charging and discharging, improves response speed and brightness stability, and reduces energy loss during headlight flashing or brightness adjustment; EMC is also more controllable; ③ High temperature resistance ensures stable performance even during prolonged use or in high-brightness, heated environments.
VHT-50V-47 μ F 6.3*7.7						
VHM-80V-68 μ F 10*10.5						
Instrument cluster/in-vehicle screen	High-resolution display / low ESR / stable voltage	VHT-35V-330 μ F 10*10.5	① Highly reliable product with stable long-term performance; ② Low leakage current product with low static power consumption; ③ Maintains low ESR over a wide frequency range; EMC of the entire device is more controllable; ④ Stable electrical performance over a wide temperature range;			
		VHM-35V-68 μ F 6.3*5.8				
HUD (Head-Up Display) / T-BOX	High temperature resistance/low leakage current	VHM-16V-82 μ F 5*5.8	Low ESR, high ripple current tolerance, high capacity density, and miniaturization and thinness facilitate overall design and stable operation. It can stabilize power output, improve system efficiency, enhance anti-interference capabilities, and ensure normal operation of the entire unit.			
		VHT-50V-47 μ F 6.3*7.7				
BMS - Battery Management	High reliability/long lifespan, withstands high ripple current	VGY-35V-68 μ F 6.3*7.7	Low ESR stabilizes the BMS system, enhances anti-interference capabilities, and makes battery operation more stable; low leakage current and low static power consumption contribute to battery life and long-term stable operation, ensuring the long-term stable operation of the battery.			
		VHT-50V-33 μ F 6.3*7.7				
		VHT-16V-82 μ F 6.3*5.8				
Primarily used in AI data services and the 5G communications market, replacing international high-end competitors: Panasonic	AI server motherboard	High stability / Supports long-term stable operation of server motherboards	VHT-35V-100 μ F 6.3*7.7	① Superior ripple current tolerance, allowing for extremely high ripple currents, low capacitor heat generation, and more stable and reliable performance; ② ESR as low as 5m Ω /100KHz, superior filtering effect, resulting in lower and more controllable system noise; ③ High ESR consistency, stable within $\pm 0.5m\Omega$ range; contributing to low power consumption and high energy efficiency of the entire system; ④ Withstands 20A inrush current, with stable capacitor performance; capable of handling harsh overload conditions;		
			VPC-2.5V-820 μ F 6.3*5.8			
	AI Server Power Supply	High voltage tolerance/low ESR supports stable power output	VPC-6.3V-680 μ F 8*9			
			VPC-16V-270 μ F 6.3*7.7			
			NHT-63V-120 μ F 10*10			
	AI server switch	Low impedance/fast high frequency response	NHT-63V-270 μ F 10*16			
			NHT-80V-47 μ F 10*10			
	AI Server SSD - Enterprise-Grade Solid State Drive	High capacity/high stability; supports stable power supply for data storage.	NPC-16V-270 μ F 6.3*7			
			NPC-16V-470 μ F 6.3*9			
			NGY-35V-100 μ F 5*11			
5G communication base station	High capacity / High stability / Long lifespan	NGY-35V-180 μ F 5*15	① Highly reliable product with stable long-term performance; ② Low leakage current product with low static power consumption; ③ Stable electrical performance over a wide temperature range; ④ Withstands 10,000 high-frequency and deep charge-discharge cycles while maintaining over 92% of the initial capacitance; ⑤ Withstands high voltage surges and instantaneous high current surges under overload conditions; ⑥ Under harsh conditions such as vibration or mechanical shock, the capacitor can maintain sufficient energy storage capacity to ensure SSD data security.			
		NHT-35V-1800 μ F 12.5*20				
		VPW-2.5V-560 μ F 6.3*6.1				
		VPW-6.3V-330 μ F 6.3*6.1				
			VPW-16V-100 μ F 6.3*6.1	① Ultra-long lifespan product, with a working life of up to 15,000 hours at 105°C; ② Highly stable and reliable product: its performance remains stable with minimal parameter changes after long-term operation;		
			VHT-35V-330 μ F 10*10.5			

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Polymer solid/hybrid aluminum electrolytic capacitors

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested
Capacitor Applications - Having Difficulties - Contact YMIN New applications and new solutions place new and	Drone DC motor	High efficiency/high frequency and high current withstand	VHM-16V-150 μ F 6.3*7.7	Low ESR, high permissible surge current, small size and large capacity, ensuring accurate and stable output and controllable EMC of the whole machine; It can withstand instantaneous high voltage surges and high current surges, ensuring stable operation of the whole machine at peak power output; It is adaptable to low temperature and low pressure operating conditions.	ymin-sale@ymin.com
			VHM-35V-220 μ F 8*10.5		
			VHM-63V-150 μ F 10*12.5		
			VHM-80V-82 μ F 10*13		
			VPX-80V-47 μ F 8*9		
	NPX-100V-100 μ F 10*12				
	Humanoid robot servo motor driver	High temperature resistance / High current resistance / Long lifespan	VHX-80V-100 μ F 10*10.5	Low ESR, high permissible surge current, and compact size with large capacity ensure accurate and stable output. Its ability to withstand instantaneous high voltage and high current surges ensures stable operation even at peak power output.	
			VHX-100V-47 μ F 10*10.5		
			VHT-100V-10 μ F 6.3*7.7		
			VHM-100V-22 μ F 8*10.5		
			VHM-100V-39 μ F 10*10.5		
			VPW-80V-22 μ F 8*7.7		
			NPW-25V-470 μ F 8*12		
			NPW-80V-47 μ F 8*12		
			VPT-80V-15 μ F 6.3*7.7		
			VPT-80V-39 μ F 8*9		
	VPT-80V-68 μ F 8*12.5				
	NPT-100V-39 μ F 10*7				
	Humanoid robot controller	High stability/strong impact resistance	VPC-2.5V-820 μ F 6.3*5.8	It features ultra-low ESR with good consistency and high ripple current tolerance; it maintains voltage stability in high-performance computing modules (such as AI processing units or GPUs) and provides fast response for high-power demand chips.	
			VPC-6.3V-680 μ F 8*9		
VPC-16V-270 μ F 6.3*7.7					
Digital electronic detonator	High stability; supports zero-misfire operation of blasting equipment.	NPM-25V-68 μ F 4*7	It features ultra-low leakage current, high capacity density, low low-temperature capacity decay, long-term storage reliability, and anti-knock properties.		
		NPW-25V-100 μ F 4*11			
		VPM-25V-100 μ F 4*11			
		NPX-25V-100 μ F 5*6			
NPX-25V-100 μ F 5*8					
Security IPC	High temperature resistance/high reliability; stable power supply over long periods.	NPX-16V-220 μ F 6.3*8	It features ultra-low ESR with good ESR consistency and high ripple current resistance, resulting in strong anti-interference capabilities. Wide temperature stability ensures stable operation under various outdoor conditions. High capacity density allows for miniaturization, ease of design, and ease of installation.		
		NPX-16V-470 μ F 6.3*11			
		VPX-25V-100 μ F 6.3*5.8			
		VPX-50V-150 μ F 8*10			
		VPX-63V-22 μ F 6.3*8.5			
VPX-63V-47 μ F 6.3*8.5					
Wind power IGBT	High temperature resistance/long lifespan stable drive IGBT module	VHT-25V-220 μ F 8*10.5	① High capacity density, miniaturized yet large capacity; facilitates overall design layout and installation; ② Low ESR; ensures controllable EMC and more stable operation; ③ Withstands high current surges and stable capacitor operation under load changes; ④ Wide temperature stability, ensuring stable operation of the entire unit under various outdoor working conditions.		
		VHT-35V-390 μ F 10*10.5			
Electric motorcycle controller	High ripple current withstand/shock resistance, long lifespan	VHX-16V-220 μ F 6.3*5.8	① High capacity density, miniaturized yet large capacity; suitable for miniaturized high-power applications; ② Low leakage current, low static power consumption; ensures longer battery life; ③ Maintains low ESR over a wide frequency range; makes overall EMC more controllable; ④ Stable electrical performance over a wide temperature range; ensures		
		NHX-100V-330 μ F 12.5*23			
		NHX-160V-220 μ F 12.5*16			

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Polymer solid/hybrid aluminum electrolytic capacitors

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested
Capacitor Applications - Having Difficulties - Contact YMIN New applications and new solutions place new and	PD fast charging	High frequency, low impedance; supports stable output from fast charging circuits.	VPT-35V-47 μ F 5*5.8	① High capacity density, miniaturized for large capacity; ② Low ESR; low leakage current; ③ Maintains low leakage current after high-temperature reflow soldering; ④ Withstands high current surges; after 10,000 surges, the capacitor capacity remains above 92% of its initial value; ⑤ Capacitor capacity remains stable during multiple power-on and power-off cycles, preventing a decrease in overall output power.	
			VPT-35V-100 μ F 6.3*5.8		
			NPT-25V-100 μ F 4*11		
			NPT-25V-470 μ F 5*15		
			NPT-35V-560 μ F 6.3*18		
			VPX-6.3V-470 μ F 6.3*5.8		
			VPX-25V-100 μ F 6.3*5.8		
			VPX-25V-470 μ F 5.5*15.5		
			NPX-25V-470 μ F 5.5*12		
			NPX-25V-470 μ F 5.5*14		
			NPX-25V-560 μ F 5*15		
			NPX-25V-680 μ F 5.5*15		
NPX-25V-1000 μ F 6.3*18					
NPX-35V-820 μ F 6.3*20					
NPX-35V-1200 μ F 8*20					
Wireless charging power bank	High capacity/low leakage current ensures long battery life.		VPX-25V-68 μ F 6.3*5.8	① High capacity density, miniaturized for large capacity; ② Low ESR; low leakage current; ③ Maintains low leakage current after high-temperature reflow soldering; ④ Withstands high current surges; after 10,000 surges, the capacitor capacity remains above 92% of its initial value; ⑤ Capacitor capacity remains stable during multiple power-on and power-off cycles, preventing a decrease in overall output power.	
			VPX-25V-100 μ F 6.3*4.5		
			VPX-35V-47 μ F 6.3*4.5		
			NPM-16V-150 μ F 4*7		
			NPM-25V-100 μ F 3.55*11		
			NPM-25V-100 μ F 4*9		
			VPT-16V-220 μ F 6.3*5.4		
			VPT-25V-180 μ F 6.3*5.4		
			VPT-35V-100 μ F 6.3*5.4		
			VHX-16V-100 μ F 6.3*4.5		
VHX-25V-220 μ F 6.3*5.8					
VHX-35V-100 μ F 6.3*5.8					
VHT-35V-68 μ F 6.3*5.4					
Mining machine power supply	High current withstand/low impedance ensures high load power supply		NPX-16V-470 μ F 6.3*15	① Superior ripple current tolerance, allowing for ultra-high ripple current, low capacitor heat generation, and more stable and reliable performance; ② ESR as low as 5m Ω /100kHz, superior filtering effect, lower and more controllable system noise; more controllable EMC of the whole machine; ③ High ESR consistency, stable within $\pm 0.5m\Omega$ range; multiple parallel connections provide better balance; ④ Withstands 20A inrush current, easily copes with load changes, and maintains stable capacitor performance.	
			NP1-16V-470 μ F 8*11		
Lighting power supply	High temperature resistance/ high stability/long lifespan output		VPT-63V-22 μ F 6.3*7.7	① High capacity density, miniaturized yet large capacity; beneficial for overall layout and design; ② High voltage resistance, stable operation under load variations and voltage fluctuations; ③ Low ESR over a wide frequency range; controllable EMC, low capacitor heat generation; ④ Stable electrical performance over a wide temperature range; stable long-term operation, contributing to stable overall lifespan.	
			NGY-25V-560 μ F 10*10		
			NGY-35V-390 μ F 8*12.5		
			VHT-80V-10 μ F 6.3*5.8		
			VHT-100V-8.2 μ F 6.3*5.8		
NHT-50V-22 μ F 5*7					
NHT-63V-22 μ F 6.3*7					

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Liquid surface mount aluminum electrolytic capacitors

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
<p>YMIN liquid surface mount capacitors are positioned as high-performance, cost-effective products in the new energy vehicle electronics market:</p> <p>I. Replacement for high-end international competitors: NCC, Nichicon, Panasonic, ELNA</p> <p>II. Capacitor application challenges? Look no further than Yung-Ming:</p> <p>1. High capacitance density (small size, large capacity)</p> <p>2. Excellent characteristics (low impedance, low leakage current, wide temperature stability)</p> <p>III. The biggest advantages of liquid surface mount capacitors compared to liquid through-hole capacitors are their miniaturization, automation, reliability, and heat dissipation performance, making them particularly suitable for replacing through-hole capacitors in new energy vehicle scenarios requiring high vibration, high density, and automated production.</p> <p>IV. As an economical alternative to solid surface mount capacitors, they are suitable for price-sensitive mass production needs.</p>	<p>125°C 2000~5000H High temperature resistance/long life/low impedance High ripple current/high stability</p>	VKL-35V-220 μ F 10*10	It withstands high temperatures of 125°C for 3000 hours, and meets automotive-grade requirements for both extremely low temperatures (-55°C to 125°C) and high temperatures. It offers high-capacity capacitors to meet the energy storage and filtering requirements of high-power electronic modules.	Electronic control, OBC, DC-DC	<p>Pin-to-pin capacitors can replace NIPPON CHEMI-CON (MVH series), Nichion (UUB/ULT/ULH series), and Panasonic (TC series). These are already in large-scale use by customers.</p> <p>Compared to solid-state surface-mount capacitors (Polymer), they have lower manufacturing costs and are more competitively priced per unit. Compared to liquid-state through-hole capacitors, they offer higher miniaturization, automated production efficiency, and stronger vibration resistance.</p>
		VKL-50V-330 μ F 10*14.5		Car lights	
		VKL-35V-330 μ F 10*10	It offers high-capacity capacitors to meet the energy storage and filtering requirements of high-power electronic modules. The large-capacity, miniaturized design reduces module size and contributes to the overall system's lightweight design.	ESC (Electronic Stability Control) / PCU (Power Control Unit)	
		VKL(U)-35V-100 μ F 6.3*7.7	It meets automotive-grade requirements, and its large-capacity, miniaturized design reduces module size, contributing to the overall system's lightweight design.	ESC (Electronic Stability Control) / EPS (Electric Power Steering) system / USB / WPT	
		VKL-35V-100 μ F 6.3*7.7	The large-capacity, miniaturized design reduces module size and contributes to the overall system's lightweight design.	BMS Battery Management System	
		VKL-400V-5.6 μ F 10*10	Meets automotive-grade requirements, with low leakage current <20uA reducing standby power consumption. The large-capacity, miniaturized design reduces module size, contributing to the overall system's lightweight design.	PTC heater	
<p>105°C, 2000~5000H, Miniaturized/High Capacitance/Low Impedance/Large Ripple Current</p>	<p>105°C, 6000~8000H, Small size/Large capacity, High ripple current/Long lifespan</p>	V3M-50V-220 μ F 10*10	Low impedance and high ripple current withstand. Offers large capacitance values to meet the energy storage and filtering requirements of high-power electronic modules.	DCU Domain Controller	<p>Pin-to-pin replacement is available.</p> <p>NIPPONCHEMI-CON: MZR series</p> <p>Nichion: UCM series</p> <p>Panasonic: FK series. These are already in large-scale use by customers.</p> <p>Compared to solid-state surface-mount capacitors (Polymer), they have lower manufacturing costs and are more competitively priced per unit. Compared to liquid-state through-hole capacitors, they offer higher miniaturization, automated production efficiency, and stronger vibration resistance.</p> <p>For Cornell Dubilier: ATB/AFK series has a lifespan of 5000 hours, while YMIN has a better</p>
		V3MC-35V-220 μ F 6.3*7.7	Ultra-small size, high capacity, low impedance, and high ripple current tolerance. The large capacity design meets the energy storage and filtering requirements of high-power electronic modules, while also supporting module miniaturization and contributing to system weight reduction.	Car lights	
		V3M(T)-35V-100 μ F 6.3*5.8	Ultra-small size, high capacity, low impedance, and high ripple current tolerance. The large-capacity, miniaturized design meets the energy storage and filtering requirements of high-power electronic modules, contributing to system lightweighting.	Car lights/T-BOX/USB	
		V3M-16V-100 μ F 6.3*5.4	Low impedance withstands high ripple current, large capacity and miniaturized design optimize module size, helping to make the system lightweight.	Car lights	
		V3M-50V-100 μ F 6.3*7.7	Low impedance and high ripple current tolerance meet the energy storage and filtering requirements of high-power electronic modules. Ultra-large capacity and miniaturized design optimize module size, contributing to system lightweighting.	Automatic Shifter / T-BOX	
		V3M-10V-330 μ F 6.3*7.7	Meets the energy storage and filtering requirements of high-power electronic modules. The ultra-large capacity, miniaturized design optimizes module size, contributing to system lightweighting.	USB	
		V3M-10V-470 μ F 6.3*7.7	With low impedance and high ripple current, it meets the energy storage and filtering requirements of high-power electronic modules, contributing to system lightweighting.	T-BOX/USB	
		V3M-50V-330 μ F 10*10	With its ultra-small size, high capacity, low impedance, and high ripple current tolerance, it meets the energy storage and filtering requirements of high-power electronic modules, contributing to system lightweighting.	Instrument/Display/USB/WPT	
		VK0(R)-25V-1000 μ F 12.5*16	Compact size, high capacity, low impedance, and high ripple current withstand. Offers large capacitance values to meet the energy storage and filtering requirements of high-power electronic modules.	Start-stop controller	



Liquid surface mount aluminum electrolytic capacitors

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
<p>YMIN liquid surface mount capacitors are positioned as high-performance, cost-effective products in the new energy vehicle electronics market:</p> <p>I. Replacement for high-end international competitors: NCC, Nichicon, Panasonic, ELNA</p> <p>II. Capacitor application challenges? Look no further than Yung-Ming:</p> <p>1. High capacitance density (small size, large capacity)</p> <p>2. Excellent characteristics (low impedance, low leakage current, wide temperature stability)</p> <p>III. The biggest advantages of liquid surface mount capacitors compared to liquid through-hole capacitors are their miniaturization, automation, reliability, and heat dissipation performance, making them particularly suitable for replacing through-hole capacitors in new energy vehicle scenarios requiring high vibration, high density, and automated production.</p> <p>IV. As an economical alternative to solid surface mount capacitors, they are suitable for price-sensitive mass production needs.</p>	<p>105°C, 3000~8000H, Flat/Small Size/Large Capacity, High Ripple Current/Long Lifespan</p>	VMM-35V-100 μF 6.3*7.7	<p>Compact size, high capacity; meets automotive-grade requirements in both extremely low and high temperatures (-55°C to 105°C). Offers high-capacity capacitors to meet the energy storage and filtering requirements of high-power electronic modules.</p>	EPS Power Steering System	<p>Pin-to-pin replacement is available.</p> <p>NIPPONCHEMI-CON: UWT UWX/UWJ series Nichion: MVE series Panasonic: FT series. These are already in large-scale use by customers.</p> <p>Compared to solid-state surface-mount capacitors (Polymer), they have lower manufacturing costs and are more competitively priced per unit. Compared to liquid-state through-hole capacitors, they offer higher miniaturization, automated production efficiency, and stronger vibration resistance.</p>
		VMM-50V-100 μF 8*10		Smart Cockpit	
		VMM-50V-47 μF 6.3*7.7		EPS Power Steering System	
		VMM-16V-47 μF 6.3*5.4		Headlights	
		VMM-35V-68 μF 6.3*7.7		Radar Camera	
		VMM-16V-220 μF 6.3*7.7		BMS Battery Management	
		VMM-50V-47 μF 8*6.2		System	
		VMM-63V-47 μF 8*10		BMS Battery Management	
		VMM-25V-330 μF 8*10		System	
		VMM-35V-330 μF 10*10		BMS Battery Management	
		VMM-35V-220 μF 8*10		System	
		VMM-50V-100 μF 8*7.9		Door and Window Control-	
		VMM-450V-15 μF 12.5*13.5		Small size, large capacity, withstands high voltage of 450V, instantaneous surge voltage of 1200V, low leakage current <60 μA to reduce standby power consumption.	
VKM-25V-2200 μF 16*17	<p>105°C, 7000~10000H, Small size/Large capacity/Ultra-long lifespan/High ripple current</p>	<p>Compact size, high capacity, long lifespan; meets automotive-grade requirements in both extremely low and high temperatures (-55°C~105°C); low impedance withstands high ripple current. Offers large capacitance values to meet the energy storage and filtering requirements of high-power electronic modules.</p>	multimedia	<p>For Panasonic HD/FK series, the lifespan is 5000 hours; for YMIN, it's even better with a lifespan of 10000 hours.</p> <p>Corresponding to Rubycon TRV series</p>	
VKM-35V-2200 μF 18*17 涂膜车规			Car refrigerator controller		
VKM-35V-2200 μF 16*21 涂膜车规					

Note: The red-marked parts in the text indicate the updated content, which will help you quickly grasp the key updates.

Liquid surface mount aluminum electrolytic capacitors

Market application positioning	Main application terminals	Product application requirements	Representative product specifications		Product advantages and application advantages	I am interested	
<p>Used in the automotive electronics market, primarily replacing international competitors:</p> <p>NCC/Guimigong Nichicon Panasonic ELNA</p>	Electronic control /OBC/DC-DC	High temperature resistance up to 125°C / Long lifespan Low impedance / High ripple current High stability	VKL-35V-220 μF	10*10	Withstands high temperatures of 125°C for 3000 hours, adapts to extreme temperatures of -55°C to 125°C, and meets automotive-grade requirements. Low impedance, large capacity capacitors meet the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature startup and reliable ultra-high temperature lifespan.	<p>ymin-sale@ymin.com</p>	
	DCU Domain Controller/Air Compressor Controller	Miniaturization/High Capacitance /Low Impedance, Large Ripple Current	V3M-50V-220 μF	10*10	Compact size, high capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature startup and long lifespan.		
	Start-stop controller	Small size/large capacity/high ripple current/long lifespan	VKO(R)-25V-1000 μF	12.5*16	Compact size, large capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature startup and long lifespan.		
	Car door and window controller	Flat design/small size/large capacity; high ripple current/long lifespan; meets automotive-grade requirements.	VMM-35V-220 μF	8*10	Compact size, large capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature start-up and reliable high-temperature operation.		
			VMM-35V-330 μF	10*10			
			VMM-50V-100 μF	8*7.9			
	radar camera	Flat design/small size/large capacity; high ripple current/long lifespan; meets automotive-grade requirements.	VMM-35V-68 μF	6.3*7.7	Compact size, large capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature start-up and reliable high-temperature operation.		
	Car lights	High temperature resistance up to 125°C / Long lifespan / Low impedance / High ripple current / High stability / Meets automotive-grade requirements	VMM-16V-47 μF	6.3*5.4	Compact size, large capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature start-up and reliable high-temperature operation.		
			VKL-50V-330 μF	10*14.5	Withstands high temperatures of 125°C for 3000 hours, adapts to extreme temperatures of -55°C to 125°C, and meets automotive-grade requirements. Low impedance, high-capacity capacitors meet the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature startup and long lifespan.		
			Miniaturization/High Capacity; Low Impedance/High Ripple Current; Meets Automotive-Grade Requirements	V3MC-35V-220 μF	6.3*7.7		Compact size, high capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature startup and long lifespan.
				V3M(T)-35V-100 μF	6.3*5.8		
	Automatic shifter	Miniaturization/High Capacity; Low Impedance/High Ripple Current; Meets Automotive-Grade Requirements	V3M-16V-100 μF	6.3*5.4	Compact size, high capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature startup and long lifespan.		
			V3M-50V-100 μF	6.3*7.7			



Liquid surface mount aluminum electrolytic capacitors

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested
<p>Used in the automotive electronics market, primarily replacing international competitors:</p> <p>NCC/Guimigong Nichicon Panasonic ELNA</p>	USB/WPT	Miniaturization/High Capacitance /Low Impedance, Large Ripple Current	V3M-10V-330 μ F 6.3*7.7	Compact size, high capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature startup and long lifespan.	ymin-sale@ymin.com
		High temperature resistance up to 125°C / Long lifespan / Low impedance / High ripple current	VKL(U)-35V-100 μ F 6.3*7.7	Withstands high temperatures of 125°C for 2000 hours, adapts to extreme temperatures ranging from -55°C to 125°C, and meets automotive-grade requirements. Low impedance, high capacity, and miniaturized design reduce module size and contribute to system weight reduction. Ensures smooth low-temperature start-up and reliable high-temperature operation.	
	PTC heater	High temperature resistance up to 125°C / Long lifespan / Low impedance / High ripple current	VKL-400V-5.6 μ F 10*10	Withstands high temperatures up to 125°C for 5000 hours, and meets automotive-grade requirements at both low and high temperatures (-40°C to 125°C). Low leakage current (<20uA) reduces standby power consumption. The large-capacity, miniaturized design reduces module size, contributing to a lighter overall system.	
		Flat design/small size/large capacity; high ripple current/long lifespan	VMM-450V-15 μ F 12.5*13.5	Small size, large capacity, withstands high voltage of 450V, instantaneous surge voltage of 1200V, low leakage current <60 μ A to reduce standby power consumption, while ensuring smooth low-temperature start-up and reliable high-temperature operation life.	
	EPS power steering system	High temperature resistance up to 125°C / Long lifespan / Low impedance / High ripple current	VKL(U)-35V-100 μ F 6.3*7.7	Withstands high temperatures of 125°C for 2000 hours, adapts to extreme temperatures ranging from -55°C to 125°C, and meets automotive-grade requirements. Low impedance, high capacity, and miniaturized design reduce module size and contribute to system weight reduction. Ensures smooth low-temperature start-up and reliable high-temperature operation.	
		Flat design/small size/large capacity; high ripple current/long lifespan	VMM-35V-100 μ F 6.3*7.7 VMM-50V-47 μ F 6.3*7.7	Small size, large capacity, and meets automotive-grade requirements for both extremely low and high temperatures of -55°C to 105°C.	
	ESC (Electronic Stability Control)	High temperature resistance up to 125°C / Long lifespan Low impedance / High ripple current High stability	VKL-35V-330 μ F 10*10 VKL(U)-35V-100 μ F 6.3*7.7	Withstands high temperatures of 125°C for 3000 hours, adapts to extreme temperatures of -55°C to 125°C, and meets automotive-grade requirements. Low impedance, high-capacity capacitors meet the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature startup and long lifespan. Withstands high temperatures of 125°C for 2000 hours, adapts to extreme temperatures ranging from -55°C to 125°C, and meets automotive-grade requirements. Low impedance, high capacity, and miniaturized design reduce module size and contribute to system weight reduction. Ensures smooth low-temperature start-up and reliable high-temperature operation.	
		Miniaturization/High Capacitance /Low Impedance, Large Ripple Current	V3M(T)-35V-100 μ F 6.3*5.8	Ultra-small size, high capacity, meets automotive-grade requirements at both extremely low and high temperatures of -55°C to 105°C, and has low impedance to withstand large ripple current.	
		Miniaturization/High Capacitance/ Low Impedance, Large Ripple Current	V3M-50V-220 μ F 10*10	Small size, high capacity, meets automotive-grade requirements at both extremely low and high temperatures of -55°C to 105°C, and has low impedance to withstand large ripple current.	
	Smart Cockpit	Flat design/small size/large capacity; high ripple current/long lifespan	VMM-50V-100 μ F 8*10	Compact size, large capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature start-up and reliable high-temperature operation.	
			VMM-25V-330 μ F 8*10		
			VMM-35V-330 μ F 10*10		
			VMM-35V-220 μ F 8*10		

Liquid surface mount aluminum electrolytic capacitors

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested	
<p>Used in the automotive electronics market, primarily replacing international competitors:</p> <p>NCC/Guimigong Nichicon Panasonic ELNA</p>	T-BOX	Miniaturization/High Capacitance/ Low Impedance, Large Ripple Current	V3M(T)-35V-100 μF 6.3*5.8	Compact size, high capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature start-up and reliable high-temperature operation. A replacement for NCC MZR, Nichion UCM, and Panasonic FK series.	ymin-sale@ymin.com	
			V3M-50V-100 μF 6.3*7.7			
			V3M-10V-470 μF 6.3*7.7			
	meter	Miniaturization/High Capacitance/ Low Impedance, Large Ripple Current	V3M-50V-220 μF 10*10	Compact size, high capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature start-up and reliable high-temperature operation. A replacement for NCC MZR, Nichion UCM, and Panasonic FK series.		
			V3M-50V-330 μF 10*10			
	BMS Battery Management System	High temperature resistance up to 125°C / Long lifespan Low impedance / High ripple current High stability	VKL-35V-100 μF 6.3*7.7	Withstands high temperatures up to 125°C for 1000 hours, and meets automotive-grade requirements in both extremely low and high temperatures (-55°C to 125°C). Features low impedance and high ripple current. The large-capacity, miniaturized design reduces module size, contributing to overall system weight reduction. Ensures smooth low-temperature startup and reliable operation at ultra-high temperatures.		
			VMM-16V-220 μF 6.3*7.7			Compact size, large capacity, adaptable to extreme temperatures from -55°C to 105°C, meeting automotive-grade requirements. Low impedance withstands high ripple current, meeting the energy storage and filtering needs of high-power modules, ensuring smooth low-temperature start-up and reliable high-temperature operation.
			VMM-50V-47 μF 8*6.2			
	multimedia	Flat design/small size/large capacity; high ripple current; long lifespan.	VMM-63V-47 μF 8*10 涂膜车规			
			VKM-25V-2200 μF 16*17 涂膜车规			Compact size, high capacity, long lifespan; meets automotive-grade requirements at both extremely low and high temperatures (-55°C to 105°C); low impedance withstands high ripple current. Compares to the Panasonic HD/FK series with a lifespan of 5000 hours, and the YMIN series offers an even better lifespan of 10000 hours.
Refrigerator controller	105°C, 7000~10000H, Small size/ Large capacity, High ripple current /Ultra-long lifespan	VKM-35V-2200 μF 18*17 涂膜车规				
		VKM-35V-2200 μF 16*21 涂膜车规		Compact size, large capacity, long lifespan, meets automotive-grade requirements for both extremely low and high temperatures (-55°C to 105°C), low impedance, and high ripple current tolerance. Ensures smooth low-temperature startup. Compatible with Rubycon TRV series.		

注：文中红色标记处为更新内容，方便您快速掌握更新要点。



Liquid lead large diameter aluminum electrolytic capacitor

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
New product, high requirements, ultra-low	Wide operating temperature range (-55°C~130°C) Large capacity (470uF max) Voltage range	LKC-400V-47 μF 16*20	High-voltage liquid aluminum capacitors exhibit capaci-	Military power supplies, rail power supplies, charging piles, electricity meters	LKC series high-voltage capacitors help customers' machines start instantly in extreme environments such as -55°C.
		LKC-450V-47 μF 18*20			
		LKC-450V-100 μF 18*31.5			
		LKC-500V-120 μF 18*35.5			
PinT0pin is an alternative to the internationally renowned brand pinT0pin	High temperature resistance (135°C~150°C) Large capacity (4700 μF max) Voltage range	LKL(R)-50V-3600 μF 18*40 CG	Products with a temperature resistance of 135°C can achieve an actual lifespan of 5000 hours at 135°C, and the ultra-low	New energy EPS helps steering	LKL(R) aluminum electrolytic capacitors, with their high ripple current capability, wide operating temperature range, and high reliability,
		LKL(R)-50V-2400 μF 18*35.5 CG			
		LKL(R)-50V-3000 μF 18*35.5 CG			
		LKL(R)-50V-1300 μF 16*25 CG			
		LKL(R)-63V-2700 μF 18*40 CG			
		LKL(R)-25V-4700 μF 16*25 CG			
Alternatives to internationally renowned brands pinT0pin NCC/Guimigong GPD	High temperature resistance (135°C~150°C) Large capacity (3300 μF max) Voltage range	LKL(R)-25V-2200 μF 16*20 CG	Products with a temperature resistance of 135°C can achieve an actual lifespan of 5000 hours at 135°C, and their	New energy vehicle cooling fan	LKL(R) aluminum electrolytic capacitors, with their high temperature resistance, long lifespan, and stable energy
		LKL(R)-25V-2700 μF 16*25 CG			
		LKL(R)-25V-3300 μF 18*25 CG			
		LKL(R)-35V-1000 μF 16*20 CG			
		LKL(R)-50V-1300 μF 16*25 CG			
Replacement for internationally renowned brand pinT0pin:	High capacity (8200 μF max) Voltage range (35V) Low ESR High ripple current withstand	LK-25V-4400 μF 16*25 CG	Products with a temperature resistance of 105°C can achieve an actual lifespan of 12,000 hours at 105°C. The high-capacity density design can meet the requirement of 50,000 charge-discharge cycles at 105°C.	airbags	LK can meet the requirements of 50,000 charge-discharge cycles at 105 degrees Celsius, and its ESR is ≤100mΩ at -40 degrees Celsius, which provides high reliability and fast response capability to meet the needs of energy storage and instantaneous high current release.
		LK-25V-4700 μF 18*20 CG			
		LK-35V-5600 μF 18*25 CG			
		LK-35V-7600 μF 18*31.5 CG			
		LK-35V-8200 μF 18*40 CG			

Liquid lead large diameter aluminum electrolytic capacitor

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
pinT0pin replaces internationally renowned brands, offering alternatives to Rubycon's BXW and BHW series.	High capacity (68 μ F max) Voltage range (250V~500V) Low ESR High ripple current withstand	LKG-450V-68 μ F 16*35.5 CG	The capacitors exhibit good consistency in characteristics, meeting the needs of customers for series and parallel applications. Their long lifespan, low ESR, and low temperature rise ensure stable operation of the entire unit over extended periods.	New energy air conditioning compressor control	LKG series 450V high-voltage aluminum electrolytic capacitors, with their high withstand voltage, low ESR and long life characteristics, can efficiently support the stability of bus voltage in air conditioning compressors, ensuring reliable system operation and energy efficiency.
		LKG-450V-56 μ F 12.5*35 CG			
		LKG-450V-33 μ F 12.5*30 CG			
		LKG-500V-33 μ F 16*20 CG			
		LKG-275V-51 μ F 16*20 CG			
High-requirement, high-capacitance-density,	High capacity (2700 μ F max) Voltage range (35V~100V) High capacity density Low ESR High ripple current	LKF-35V-2200 μ F 16*25	Their size is typically smaller than that of conventional Japanese products, and their capacitance density is higher; Yung Ming's low impedance technology (LowESR) can reach as low as 18m Ω and can withstand extremely high instantaneous surge currents (even a single cell can reach over 5A); LKF electrolytic capacitors have good self-healing properties and voltage tolerance margin when dealing with instantaneous overvoltages caused by reverse electromotive force.	Robot joint servo actuators ; Mobile chassis controller	① The space for robot joint actuators is extremely limited, requiring capacitors to be small in size but large in capacity to save PCB area and achieve a compact design. ② Robot motors need to frequently perform high-speed starts, sudden stops, and reversals, which generates huge ripple currents. Yungming capacitors can effectively absorb these currents, preventing the actuators from malfunctioning or burning out due to overload. ③ When the robot is descent with a heavy load or decelerating, the motor can act as a generator, feeding energy back to the bus. Yungming capacitors can stabilize the bus voltage and protect the expensive drive chips from damage.
		LKF-63V-2200 μ F 18*35.5			
		LKF-80V-680 μ F 16*20			
		LKF-100V-680 μ F 16*31.5			
The large-diameter liquid-state LKM series is designed for high current	High capacity (1200 μ F max) Voltage range (35V~100V) Low ESR, thickened leads High current withstand, 105°C, 10000-hour warranty	LKM-35V-1200 μ F 10*30 0.8CP	It has excellent ripple absorption capability, suppresses transient voltage spikes, and has good energy storage advantages due to its high capacity density.	UAV ESC	① The LKM capacitor effectively filters out high-frequency noise, preventing voltage fluctuations from interfering with the flight control and image transmission systems, ensuring smooth motor operation. ② It provides sufficient energy buffering to compensate for instantaneous voltage drops caused by excessively long battery leads, maintaining voltage stability during high dynamic current demands such as high-throttle takeoff or sharp turns.
		LKM-63V-1200 μ F 12.5*30 1.0CP			
		LKM-80V-680 μ F 12.5*30 1.0CP			
		LKM-100V-1000 μ F 18*35.5 1.0CP			
New applications, high requirements: Ultra-high capacity density 35V	Slim profile High capacitance density (3900 μ F max) Voltage range (35V) Low ESR/Switching surge resistant 105°C, 10,000-hour warranty	LKF-35V-1800 μ F 10*30	The ultra-high capacity density provides excellent power-loss protection for SSDs during power outages.	Server SSD Solid State Drive	Solutions from companies such as Yangtze Memory Technologies, Ingenuic Semiconductor, DPP Microelectronics, and Universal Scientific Industrial have been adopted, with some specifications already in small-batch production. The quality has been tested and approved by multiple companies.
		LKF-35V-2200 μ F 10*30			
		LKL-35V-2200 μ F 10*32			
		LKF-35V-3300 μ F 12.5*30			
		LKF-35V-3900 μ F 12.5*30			
		LKF-35V-4200 μ F 12.5*45			
This new product reduces ESR, improves capacitor ripple resistance,	Small size, high capacitance density (560 μ F max), voltage range (450V~550V), low ESR/low temperature rise, high ripple current withstand, 105°C, 8000~10000-hour warranty.	LKD-450V-470 μ F 25*51	It can achieve a lifespan of 8000 hours at 105°C, and its size is smaller than that of a horn capacitor of the same specifications. The leaded design makes it convenient for customers to install in various ways.	Charging station/vehicle OBC high-power power supply	LKD series 450V and 500V aluminum electrolytic capacitors, with their high withstand voltage, low ESR and excellent temperature stability, can meet the filtering and energy storage needs of high-power power supplies, OBCs (on-board chargers) and charging piles in high-voltage and high-frequency operating environments.
		LKD-450V-330 μ F 25*41			
		LKD-450V-270 μ F 25*32			
		LKD-500V-390 μ F 25*51			
		LKD-500V-220 μ F 20*46			



Liquid lead large diameter aluminum electrolytic capacitor

Product Positioning Explanation	Features	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested
<p>PinTOpin can replace NCC/Guimigong GPD and GVD series, as well as Nichicon/Nichicon UBW and UBY series in the field of new energy EPS power steering.</p> <p>PinTOpin can be used in the field of airbags as a replacement for NCC/Guimigong LBV and LBG series.</p> <p>PinTOpin can replace Rubycon/BXW and BHW series in the field of new energy air conditioning compressor control.</p>	EPS helps with steering.	High temperature resistance/high capacity/low ESR	LKL(R)-50V-3600 μ F 18*40 CG	LKL(R) aluminum electrolytic capacitors, with their high ripple current capability, wide operating temperature range, and high reliability, can meet the key parameter requirements of EPS systems for filtering, energy	ymin-sale@ymin.com
			LKL(R)-50V-2400 μ F 18*35.5 CG		
			LKL(R)-50V-3000 μ F 18*35.5 CG		
			LKL(R)-63V-2700 μ F 18*40 CG		
			LKL(R)-25V-4700 μ F 16*25 CG		
	New energy vehicle cooling fans	High temperature resistance/high capacity/low ESR	LKL(R)-25V-3300 μ F 16*25 CG	LKL(R) aluminum electrolytic capacitors, with their high temperature resistance, long lifespan, and stable energy storage performance, can meet the requirements of new energy cooling fans for reliable operation	
			LKL(R)-25V-3300 μ F 18*25 CG		
			LKL(R)-50V-1000 μ F 16*20 CG		
			LKL(R)-50V-1300 μ F 16*25 CG		
	ECU engine control	High temperature resistant/shock resistant/long life	LKL-80V-680 μ F 18*20 CG	LKL aluminum electrolytic capacitors, with their low ESR, high-temperature stability, long lifespan, and superior vibration resistance thanks to their double-waist design, can fully meet the stringent requirements	
			LKL-35V-2200 μ F 16*25 CG		
	airbags	High capacity/resistant to switching shock	LK-35V-3300 μ F 18*25 CG	LK can meet the requirements of 50,000 charge-discharge cycles at 105°C, and has high reliability and fast response capability to meet the needs of energy storage and instantaneous high current release.	
			LK-35V-4400 μ F 16*25 CG		
LK-35V-5600 μ F 18*25 CG					
LK-35V-5600 μ F 18*31.5 CG					
LK-35V-7600 μ F 18*31.5 CG					
LK-35V-8200 μ F 18*40 CG					
New energy air conditioning compressor control	High temperature resistance/long lifespan; good consistency of properties.	LKG-275V-51 μ F 16*20 CG	LKG series 450V high-voltage aluminum electrolytic capacitors, with their high withstand voltage, low ESR and long life characteristics, can efficiently support the stability of bus voltage in air conditioning		
		LKG-450V-68 μ F 16*35.5 CG			
		LKG-450V-56 μ F 12.5*35 CG			
		LKG-450V-33 μ F 12.5*30 CG			

Liquid lead large diameter aluminum electrolytic capacitor

Product Positioning Explanation	Features	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested
New product, high requirements, ultra-low temperature -55°C high	Military/Railway Power Supply/Charging Station Electricity Meter	Capacity degradation ≤ -10% at ultra-low temperature (-55°C)	LKC-400V-47 μF 16*20	LKC series high-voltage capacitors help customers' machines start instantly in extreme environments such as -55°C.	
			LKC-450V-47 μF 18*20		
			LKC-450V-100 μF 18*31.5		
			LKC-500V-120 μF 18*35.5		
High-requirement, high-capacitance-density, low-ESR LKF series capacitors for robots	Robot electric drive control	Small size, large capacity / Low ESR, resistant to high ripple current	LKF-35V-2200 μF 16*25	<p>① The space for robot joint actuators is extremely limited, requiring capacitors to be small in size but large in capacity to save PCB area and achieve a compact design.</p> <p>② Robot motors need to frequently perform high-speed starts, sudden stops, and reversals, which generates huge ripple currents. Yongming capacitors can effectively absorb these currents, preventing the actuators from malfunctioning or burning out due to overload.</p>	ymin-sale@ymin.com
			LKF-63V-2200 μF 18*35.5		
			LKF-80V-680 μF 16*20		
			LKF-100V-680 μF 16*31.5		
The large-diameter liquid-state LKM series is designed for high current resistance and is specifically designed for drone ESCs.	UAV ESC	Low ESR/Thickened Leads High Current Withstand	LKM-35V-1200 μF 10*30 0.8CP	<p>LKM capacitors effectively filter out high-frequency noise, preventing voltage fluctuations from interfering with flight control and image transmission systems, ensuring smooth motor operation.</p> <p>They provide ample energy buffering to compensate for instantaneous voltage drops caused by excessively long battery leads, maintaining voltage stability during high dynamic current demands such as high-throttle takeoffs or sharp turns.</p>	
			LKM-63V-1200 μF 12.5*30 1.0CP		
			LKM-80V-680 μF 12.5*30 1.0CP		
			LKM-100V-1000 μF 18*35.5 1.0CP		
A convenient and cost-effective alternative to the horn plug-in product that is easy for customers to install and use.	High-power power supply for vehicle OBC/charging station	High temperature, long lifespan, low ESR, resistant to high ripple.	LKD-450V-270 μF 25*32	LKD series 450V and 500V aluminum electrolytic capacitors, with their high withstand voltage, low ESR and excellent temperature stability, can meet the filtering and energy storage needs of high-power power supplies, OBCs (on-board chargers) and charging piles in high-voltage and high-frequency operating environments.	
			LKD-450V-330 μF 25*41		
			LKD-500V-220 μF 20*46 CG		
This is a high-capacity capacitor designed for micro inverters, resistant to high ripple and exhibiting stable characteristics under long-term high temperatures.	Photovoltaic inverter	High capacity density / Low ESR / High ripple resistance / Long lifespan	LKM-63V-3300 μF 18*40	The LKM series 63V high-capacity aluminum electrolytic capacitors, with their excellent high-temperature stability and long lifespan, can meet the filtering and energy storage requirements of photovoltaic inverters under high voltage and high load conditions.	
			LKM-63V-3900 μF 18*40		

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Liquid lead small diameter aluminum electrolytic capacitor

Product Positioning Explanation	Features	代表性产品规格	产品优势	主要应用终端	应用优势
I. Alternatives to high-end international competitors: Rubycon, NCC (Japan), Nichicon, Panasonic	Long-life products	LKG-35V-2200 μ F	14.5*25	① Ultra-high voltage withstand, up to 600V or higher, allowing the entire unit to accept higher voltage inputs; ② Long lifespan, 105°C for 12000 hours, meeting the requirement of a service life of more than 5 years for the entire unit.	LED dimming power supply, industrial power supply, high-power power supply, DIN rail power supply, general power supply, marine lighting power supply, plant lighting power supply.
		LKG-63V-330 μ F	10*20		
		LKG-250V-56 μ F	12.5*20		
		LKG-450V-15 μ F	10*20		
		LKG-600V-8.2 μ F	12.5*16		
		LKG-600V-10 μ F	10*23		
	Ultra-long lifespan products (over	LLK-250V-15 μ F	10*12.5	① Ultra-long lifespan, 105°C 20000H, meeting lifespan requirements under special operating conditions; ② Wide frequency range and low ESR, controlling temperature rise; ③ 1.6 times withstand voltage design, resistant to large ripple, and can withstand higher voltages and currents under extreme conditions.	Signal light control power supply Elevator control power supply Medical power supply Communication power supply
		LLK-400V-15 μ F	10*20		
		LLK-450V-2.2 μ F	8*11.5		
		LLK-450V-22 μ F	10*20		
		LLK-450V-47 μ F	14.5*23		
	High temperature resistant (135°C)	LKL(R)-35V-1200 μ F	12.5*20	① Stable electrical performance over a wide temperature range of 135°C for 3000 hours; ② Designed lifespan of 3000 hours, actually exceeding 5000 hours, significantly improving overall lifespan; ③ Low leakage current, high ripple, and resistant to switching shocks.	Car window controller Car radiator fan controller Car brushless motor
		LKL(R)-50V-470 μ F	12.5*20		
		LKL(R)-25V-820 μ F	12.5*20		
		LKL(R)-25V-1800 μ F	12.5*20		
		LKL(R)-35V-2200 μ F	14.5*25		
		LKL(R)-50V-680 μ F	12.5*20		
	Low temperature products	LKJ-10V-1000 μ F	10*12.5	① Capacitive decay within -10% at low temperatures (-40°C/-55°C), with normal low-temperature start-up (LKC series performs well at -55°C); ② Good consistency, meeting the State Grid's 16-year usage requirements; ③ Under dual 85 conditions, its durability and long-life performance are far superior to domestic and international counterparts.	State Grid meter Overseas meter Power HPLC carrier wave For use in cold storage and extremely cold regions
		LKJ-25V-470 μ F	10*12.5		
		LKJ-25V-1000 μ F	10*20		
		LKJ-35V-680 μ F	10*20		
		LKJ-35V-1000 μ F	12.5*20		
		LKJ-400V-18 μ F	8*25		
		LKJ-450V-22 μ F	10*20		
		LKJ(T)-400V-22 μ F	10*20		
		LKJ(T)-400V-22 μ F	12.5*20		
		LKC-400V-22 μ F	12.5*20		
LKC-450V-33 μ F	14.5*20				

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Liquid lead small diameter aluminum electrolytic capacitor

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	应用优势	
I. Alternatives to high-end international competitors: Rubycon, NCC (Japan), Nichicon, Panasonic	High current withstand, impact	LKE-50V-150 μ F	10*12.5	① Designed to withstand ultra-high current, with individual units handling up to 30A or more, meeting the high power requirements of the entire unit; ② Maintains low ESR over a wide frequency range,	Power tools Garden tools High-speed electric motorcycles Mobile robots Low-speed electric vehicles Electrically driven low-speed engineering vehicles Special vehicles	Yung-Ming liquid capacitors have made innovative breakthroughs in multiple industry sectors, providing strong support for meeting the high requirements of PD power supplies, high-end power supplies, motor control, power, use in extremely cold regions, and liquid aluminum solutions for electronic detonators. The innovation and expansion of the products themselves meet the new and high requirements of different industries for liquid electrolytic capacitors, continuously creating high added value for customers' products.
		LKE-50V-470 μ F	10*16			
		LKE-63V-470 μ F	12.5*20			
		LKE-50V-1500 μ F	14.5*25			
		LKE-63V-1000 μ F	14.5*20			
		LKE-63V-1500 μ F	14.5*20			
		LKE-80V-220 μ F	10*20			
		LKE-120V-150 μ F	13*20			
		LKE-100V-470 μ F	13*27			
		LKE-120V-330 μ F	14.5*25			
		LKE-100V-330 μ F	14.5*16			
		LKE-100V-470 μ F	14.5*23			
		LKE-100V-680 μ F	14.5*27			
LKE-160V-220 μ F	14.5*25					
LED power supply products		LED-50V-270 μ F	7*19	① Specifically designed for the lighting industry, with competitive cost; ② Withstands high temperatures up to 130 °C, designed lifespan of 2000 hours, and can actually reach over 3000 hours.	LED driver power supply Light source products Mid-to-high-end lighting fixtures	
		LED-450V-22 μ F	7*25			
		LED-450V-68 μ F	13*27			
		LED-100V-150 μ F	10*20			
		LED-80V-220 μ F	10*16			
		LED-160V-22 μ F	10*9			
		LED-450V-15 μ F	10*16			
LED-400V-100 μ F	14.5*27					
Large-capacity coated aluminum		LKZ-16V-270 μ F	5*11	① Capacity decay within -10% at -40°C and within -20% at -55°C, with normal start-up at low temperatures; ② High temperature resistance up to 130° C, designed lifespan of 2000 hours, actual lifespan exceeding 3000 hours;	Rail transit; Military industry;	
		LKZ-16V-560 μ F	6.3*11			
		LKZ-35V-270 μ F	8*9			
		LKZ-50V-220 μ F	8*11.5			
Liquid specialty products:		KCX-400V-15 μ F	7*15	① High-power products require higher energy density capacitors, leading to a more rational spatial layout; ② It can replace Japanese 16mm and 18mm diameter capacitors, offering competitive cost.		
		KCX-400V-22 μ F	7*19			
		KCX-450V-22 μ F	7*25			
Liquid specialty products:		LK-63V-680 μ F	14.5*16			
		LK-450V-47 μ F	14.5*20			
		LK-450V-150 μ F	14.5*25			
Liquid Featured Products: 27mm		LK-450V-33 μ F	10*27			
		LK-400V-68 μ F	13*27			
		LK-400V-100 μ F	14.5*27			

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Liquid lead small diameter aluminum electrolytic capacitor

Product Positioning Explanation	Main application terminals	Representative product specifications	Product Advantages	Main application terminals	Application advantages	
I. Alternatives to high-end international competitors: Rubycon, NCC (Japan), Nichicon, Panasonic	General-purpose products	LK	① Balanced and consistent performance parameters; ② Over 20 years of product experience ensures stable performance;	Consumer Electronics Industrial Electronics Automotive Electronics - General Purpose	YMIN liquid capacitors have made innovative breakthroughs in multiple industry sectors, providing strong support for meeting the high requirements of PD power supplies, high-end power supplies, motor control, power, use in extremely cold regions, and liquid aluminum solutions for electronic detonators. The innovation and expansion of the products themselves meet the new and high requirements of different	
		LKF				
	LED lighting products	LED-160V-47 μ F	10*16	① Specifically designed for the lighting industry, offering competitive pricing; ② Surface mount packaging with miniaturized design,		LED Lighting Power Supply / DOB Light Engine G4, G9 Light Source / Floodlight
		LED-400V-10 μ F	8*16			
		LED-400V-22 μ F	10*20			
	High-temperature resistant products	LKL-50V-470 μ F	10*20	① Low leakage current, high ripple, and resistant to switching impact; ② High temperature resistance, stable operation in long-term high-temperature environments.		LED driver power supply Light source products Mid-to-high-end lighting fixtures
		LKL-16V-2200 μ F	10*20			
		LKL-400V-10 μ F	10*16			
		LKL-500V-12 μ F	12.5*16			
	II. Capacitor Applications - For difficulties, contact Yung Ming: 1. High Energy Density: Small Size, Large Capacity 2. Excellent Characteristics: Ultra-long Lifespan, Wide Temperature Stability, Low ESR, High Current Resistance, Shock Resistant	High-pressure small volume	KCM-400V-33 μ F	8*20		① High capacity density, miniaturized yet large capacity, facilitating space layout; ② High withstand voltage, surge resistant, high reliability under extreme conditions; ③ Low temperature rise, low leakage current, low standby power consumption; ④ Low impedance, high consistency of parallel capacitors, better EMC performance; ⑤ High ripple; withstands instantaneous high voltage and high current surges, ensuring stable operation at peak power output.
KCM-400V-15 μ F			7*15			
KCM-400V-22 μ F			8*15			
KCM-400V-56 μ F			10*25			
KCM-450V-100 μ F			14.5*25			
KCX-400V-120 μ F			13*27			
KCX-400V-150 μ F			14.5*27			
KCX-450V-100 μ F			14.5*27			
LKM-400V-2.2 μ F			5*11			
LKM-400V-2.2 μ F			6.3*9			
LKM-400V-47 μ F		12.5*25				
LKM-450V-8.2 μ F		10*10				
LKM-500V-22 μ F		12.5*20				
Low-pressure, small-volume products (small diameter)		L3M-10V-220 μ F	4*11	① Miniaturized yet large capacity, facilitating space layout; ② Low leakage current at low temperatures, down to 1 μ A, ensuring long-term storage without failure and stable parameters; ③ Low capacitance decay at low temperatures, with the capacitor's capacitance remaining stable at over 95% of its initial value at -25°C, and an ESR of less than 1.5 Ω , ensuring normal startup in low-temperature environments.	Electronic detonator controller PD fast charging Wireless charging module Ultra-thin power supply Module power supply	
		L3M-16V-82 μ F	4*8			
		L3M-16V-150 μ F	4*11			
		L3M-25V-68 μ F	4*8			
		L3M-25V-100 μ F	4*8			
		L3M-35V-47 μ F	4*11			
		L3M-50V-4.7 μ F	4*11			
	L3M-63V-10 μ F	4*7				
L3M-80V-22 μ F	4*11					
L3M-100V-8.2 μ F	4*11					

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Liquid lead small diameter aluminum electrolytic capacitor

Product Positioning Explanation	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested	
<p>Primarily used in the PD fast charging market, capacitor applications - have difficulties? Contact YMIN: high energy density, small size, large capacity.</p>	<p>PD Fast Charging - High Voltage Input Terminal</p>	<p>Small size, large capacity, high voltage withstand, low impedance, lightning protection.</p>	KCX-400V-18 μ F 6.3*20	<p>① High capacity density, miniaturized yet large capacity, facilitating space layout; ② High withstand voltage, surge resistant, ensuring reliability under extreme operating conditions; ③ Low temperature rise, low leakage current, low standby power consumption; ④ Low impedance, high consistency of parallel capacitors, better EMC performance; ⑤ High ripple; withstands instantaneous high voltage and high current surges, ensuring stable operation of the entire device at peak power output.</p> <p>Yongming's PD fast charging capacitors have consistently supplied leading customers in the industry, earning excellent reputation and praise, and providing the entire industry with new capacitor solutions.</p>		
			KCM-400V-15 μ F 7*15			
			KCM-400V-22 μ F 8*15			
			KCM-400V-33 μ F 8*20			
			KCM-400V-56 μ F 10*25			
			KCX-400V-120 μ F 13*27			
			KCX-420V-100 μ F 14.5*25			
	KCX-450V-100 μ F 14.5*27					
	KCX-400V-150 μ F 14.5*27					
	<p>PD fast charging - PWM power supply</p>	<p>Low ESR, low leakage current</p>	L3M-50V-4.7 μ F 4*11			
			L3M-63V-10 μ F 4*7			
			L3M-63V-22 μ F 4*11			
			L3M-100V-4.7 μ F 4*9			
			L3M-100V-8.2 μ F 4*11			
<p>Primarily used in the LED driver power supply, LED lighting fixtures</p> <p>Primarily used in the power supply market to meet the new and high requirements of various application terminals in the market.</p>	<p>LED driver power supply LED lighting fixtures</p>	<p>Small size, large capacity; high consistency; low impedance; long lifespan.</p>	LKM-50V-2200 μ F 14.5*27	<p>Small size and large capacity make it possible to design power supplies with smaller size, luminaire space layout, and thinner design, continuously driving new lighting solutions, new products, and new requirements.</p>	<p>ymin-sale@ymin.com</p>	
			LKM-63V-1000 μ F 13*27			
			LKM-160V-220 μ F 14.5*25			
			LKM-400V-47 μ F 12.5*25			
			LKM-450V-8.2 μ F 10*10			
	LKM-500V-22 μ F 12.5*20					
	<p>LED dimming power supply, industrial power supply, high-power power supply, DIN rail power supply, general power supply</p>	<p>Long lifespan (over 12000 hours), low temperature rise, low impedance</p>	LKG-35V-2200 μ F 14.5*25			<p>Long lifespan, operating at 105°C for over 12000 hours, meeting the requirement of a service life of over 5 years for the entire machine.</p>
			LKG-63V-330 μ F 10*20			
			LKG-250V-56 μ F 12.5*20			
			LKG-450V-15 μ F 10*20			
			LKG-600V-8.2 μ F 12.5*16			
	LKG-600V-10 μ F 10*23					
	LKG-550V-47 μ F 14.5*27					
	<p>Military-grade power supplies Railway power supplies Charging stations Electric meters Use in extremely cold regions</p>	<p>Wide temperature range (KZ series 120°C) Voltage range (400V~500V) Capacitive degradation at -55°C \leq -10%</p>	LKZ-16V-270 μ F 5*11			
LKZ-16V-560 μ F 6.3*11						
LKZ-35V-270 μ F 8*9						
LKZ-50V-1200 μ F 8*11.5						
LKC-400V-22 μ F 12.5*20						
LKC-450V-33 μ F 14.5*20						
LKC-450V-47 μ F 14.5*25						
LKC-450V-68 μ F 14.5*27						

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Liquid lead small diameter aluminum electrolytic capacitor

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested
Primarily used in the power supply market to meet the new and high requirements of various application terminals in the market.	LED lighting power supply DOB light engine G4, G9 light source Floodlight	Temperature resistance 130°C Lifetime 2000H	LED-50V-270 μF	7*19	With a high-temperature resistance design of 130°C and a lifespan of 2000 hours, it can meet the high-temperature and usage requirements of the lighting industry. It is a general-purpose product for the lighting industry, can be surface-mounted (SMT), has a significant cost advantage, and can meet the needs of mid-to-high-end lighting industry applications.
			LED-450V-22 μF	7*25	
			LED-450V-68 μF	13*27	
			LED-100V-150 μF	10*20	
			LED-80V-220 μF	10*16	
			LED-160V-22 μF	10*9	
			LED-450V-15 μF	10*16	
			LED-400V-100 μF	14.5*27	
	Outdoor power supply, home energy storage, charging pile, photovoltaic inverter, photovoltaic power supply	High consistency, low impedance, long lifespan, large ripple.	LKF-35V-470 μF	10*20	The high-voltage input has low internal resistance, large ripple, and low temperature rise. The low-voltage output can withstand large ripple current. The entire capacitor solution is mature and recognized by leading customers in multiple industries. The charging pile products are shipped in large quantities. The overall output is stable and the standby power consumption is low.
			LKF-50V-680 μF	12.5*20	
			LKF-80V-680 μF	14.5*25	
			LKF-450V-15 μF	10*20	
			LKF-500V-22 μF	12.5*20	
	Signal light control power supply Elevator control power supply Medical power supply 5G communication power supply	Ultra-long lifespan 105°C 20000H Low temperature rise	LLK-250V-15 μF	10*12.5	① Ultra-long lifespan, 105°C for 20,000 hours, meeting the lifespan requirements under extreme operating conditions; ② Wide frequency range and low ESR, controlling temperature rise; Suitable for special outdoor operating conditions, meeting the strong anti-interference capabilities required in the medical and communication industries.
			LLK-450V-22 μF	10*20	
			LLK-400V-15 μF	10*20	
			LLK-450V-47 μF	14.5*23	
	PD fast charging power supply High-power power supply LED power supply	Small size, large capacity, high voltage withstand, low impedance. 7mm diameter, 14.5mm diameter, 27mm height products.	KCX-400V-15 μF	7*15	① High-power products have new requirements for high-energy-density capacitors, resulting in a more rational space layout; ② It can directly replace products with diameters of 16mm and 18mm, and its cost is competitive.
			KCX-400V-22 μF	7*19	
			KCX-450V-22 μF	7*25	
LK-63V-680 μF			14.5*16		
LK-450V-47 μF			14.5*20		
LK-450V-68 μF			14.5*27		
LK-450V-33 μF			10*27		
LED lighting power supply DOB light engine G4, G9 light source Floodlight	Mid-to-high-end lighting products	LED-160V-47 μF	10*16	① Specifically designed for the lighting industry, offering competitive pricing; ② Surface mount packaging with miniaturized design, replacing manual component insertion;	
		LED-400V-10 μF	8*16		
		LED-400V-22 μF	10*20		
Primarily used in automotive electronics to meet the new and high requirements of various application terminals in the market.	Car window controller Car radiator fan controller Automotive brushless motor Automotive high-speed motor controller	High temperature resistance Large capacity Low ESR	LKL(R)-35V-1200 μF	12.5*20	① Stable electrical performance over a wide temperature range of 135°C for 3000 hours;
			LKL(R)-50V-470 μF	12.5*20	
			LKL(R)-25V-1800 μF	12.5*20	
			LKL(R)-50V-680 μF	12.5*20	
			LKL(R)-35V-2200 μF	14.5*25	
			LKL(R)-50V-1500 μF	14.5*27	

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Liquid lead small diameter aluminum electrolytic capacitor

Market application positioning	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested	
Primarily used in the metering industry to meet the new and high requirements of various application terminals in the market.	State Grid meter Overseas meter Power HPLC carrier	Low-temperature products; certified by the State Grid; meet the requirements of Double 85 standards.	LKJ-10V-1000 μ F	10*12.5	① Capacitance decays by approximately 10% at -40°C , with normal low-temperature startup;	
			LKJ-25V-470 μ F	10*12.5		
			LKJ-25V-1000 μ F	10*20		
			LKJ-35V-680 μ F	10*20		
			LKJ-35V-1000 μ F	12.5*20		
			LKJ-400V-18 μ F	8*25		
Primarily used in the motor controller industry to meet the new and high requirements of various application terminals in the market.	Mobile robots Power tools Industrial electric vehicles Low-voltage electric special vehicles Low-speed electric vehicles	Seismic design; High ripple current; Low impedance	LKE-50V-150 μ F	10*12.5	① Designed to withstand ultra-high current, with a maximum current of over 30A per unit; ② Maintains low ESR over a wide frequency range; ③ Thickened pin design for enhanced shock resistance while handling high current; ④ LKE series M-type package with shock-resistant design, suitable for SMT assembly, meeting board structure design requirements and allowing for a more rational board layout.	ymin-sale@ymin.com
			LKE-50V-470 μ F	10*16		
			LKE-63V-470 μ F	12.5*20		
			LKE-50V-1500 μ F	14.5*25		
			LKE-63V-1000 μ F	14.5*20		
			LKE-63V-1500 μ F	14.5*20		
	High-speed electric motorcycle Garden tools Motor control board	Seismic design; High ripple current; Low impedance	LKE-80V-220 μ F	10*20		
			LKE-100V-470 μ F	13*27		
			LKE-120V-150 μ F	13*20		
			LKE-100V-330 μ F	14.5*16		
			LKE-100V-470 μ F	14.5*23		
			LKE-100V-680 μ F	14.5*27		
			LKE-120V-330 μ F	14.5*25		
			LKE-160V-220 μ F	14.5*25		
Primarily used in electronic detonators and the SSD industry, to meet the new and high requirements of various application terminals in the market.	AI Server - SSD Solid State Drive	Charge/discharge shock resistant High capacity density Voltage range (35V) Low ESR, resistant to switching shocks 105 $^{\circ}$ C, 10,000-hour warranty	LKF-35V-470 μ F	6.3*23	超大容量密度，耐开关冲击10000次以上，在断电时为SSD固态硬盘提供更长时间的断电保护。	
			LKF-35V-1500 μ F	12.5*20		
			LKF-35V-1800 μ F	12.5*25		
			LKF-35V-2200 μ F	12.5*25		
	Consumer Electronics Industrial Electronics	High consistency; low impedance; long lifespan; high ripple; resistant to switching shocks.	LK-35V-680 μ F	10*14	The high-voltage input has low internal resistance, large ripple, and low temperature rise. The low-voltage output can withstand large ripple current. The entire capacitor solution is mature, stable, and	
			LK-50V-470 μ F	10*16		
			LK-63V-1200 μ F	14.5*25		
			LK-100V-220 μ F	12.5*16		
			LK-450V-22 μ F	10*27		
	Electronic detonator	Low ESR, low leakage current, low temperature consistency, high stability, supports safe operation of blasting equipment.	L3M-10V-220 μ F	4*11	It features low leakage current, high capacity density, low low-temperature capacity decay, long-term storage reliability, and anti-explosion capabilities, ensuring that the detonator module can obtain	
			L3M-16V-82 μ F	4*8		
			L3M-16V-150 μ F	4*11		
			L3M-25V-68 μ F	4*8		
			L3M-25V-100 μ F	4*8		

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Large liquid aluminum electrolytic capacitors

Product Positioning Explanation	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
International import alternatives: Rubycon, NCC, Nichicon, TDK	Voltage range (450V-550V) Low ESR, high ripple current 105°C, 3000H	CW3H-450V-330 μ F 25*50	High voltage withstand capability: As new energy vehicle OBCs develop towards higher voltage, the horn capacitors need to have higher voltage withstand capability to withstand high	OBC charging station	To address current issues in on-board charger (OBC) applications, YMIN has launched two new product series: CW3H and CW6H, to meet the challenges of
		CW3H-450V-270 μ F 25*50			
		CW3H-450V-330 μ F 30*30			
		CW3H-450V-560 μ F 30*50			
		CW3H-550V-270 μ F 35*40			
		CW3H-550V-120 μ F 30*30			
	Voltage range (450V-500V) Large capacity/small size/low ESR 105°C 3000H/6000H The IDC3/IDC6 series, designed by Yung Ming specifically for AI server power supplies, features high-voltage	IDC3-450V-820 μ F 25*70	High capacity, small size: Addressing the space constraints of increasing power density in AI server power supplies, the IDC3/IDC6 series features high capacity to ensure stable DC output, improve power efficiency, and support further increases	AI Server Power Supply	Nanomicro Semiconductor, a solution provider, has successfully designed
		IDC3-450V-1000 μ F 30*60			
		IDC3-450V-1200 μ F 30*65			
		IDC3-450V-1400 μ F 30*70			
		IDC3-475V-1200 μ F 30*75			
		IDC3-500V-1500 μ F 30*85			
		IDC3-500V-1700 μ F 30*95			
		IDC3-500V-1900 μ F 30*100			
		IDC6-450V-1000 μ F 30*65			
		IDC6-450V-1400 μ F 30*80			
	IDC6-500V-1200 μ F 30*75				
	High withstand voltage (315-550V) Low ESR High ripple current 105°C 6000H	CW6-315V-1000 μ F 35*50	Liquid horn-shaped aluminum electrolytic capacitors have a high energy storage capacity. Compared with other types of capacitors, they can store more electrical energy in the same volume or weight, making them suitable for new energy storage systems, such as the energy storage component of	Photovoltaic inverter Energy storage PCS	The liquid electrolyte enables it to operate stably over a wide temperature range, which is highly advantageous for outdoor applications and new energy
		CW6-450V-680 μ F 35*50			
CW6-550V-330 μ F 35*55					
CW6-550V-470 μ F 35*60					

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Large liquid aluminum electrolytic capacitors

Product Positioning Explanation	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested	
<p>With the upgrade of onboard OBC technology, 800V battery systems are developing towards 1000V or 1200V electric drive platforms. High-voltage platform architecture has become the basis for fast charging, but it also puts forward higher requirements for aluminum electrolytic capacitors.</p>	OBC charging station	Low ESR, high ripple current	CW3H-450V-330 μ F 25*50	<p>With higher withstand voltage, it can operate in high temperature, high pressure and high frequency environments, improving system reliability and reducing the risk of failures such as breakdown and burnout; lower ESR can provide greater current and smoother ripple output for vehicle OBC; lower temperature rise, through the special structural design of Yongming capacitors and the active heat dissipation system, can effectively reduce the internal temperature of the product and work stably under extremely complex working conditions.</p>		
			CW3H-450V-270 μ F 25*50			
			CW3H-450V-330 μ F 30*30			
			CW3H-450V-560 μ F 30*50			
			CW3H-550V-270 μ F 35*40			
			CW3H-550V-120 μ F 30*30			
<p>With the development of data centers and cloud computing, AI servers are facing increasingly higher energy efficiency requirements. Achieving high power density and stable power management within limited space has become a design challenge. YMIN has launched the IDC3 series of high-voltage horn-shaped aluminum electrolytic capacitors, which, with their large capacity and small size, provide a high-quality capacitor solution for AI servers.</p>	AI Server Power Supply	Large capacity/ small size/low ESR 105°C 3000H/6000H	IDC3-450V-820 μ F 25*70	<p>Compared to leading international competitors, Yongming's horn-shaped aluminum electrolytic capacitors are 25% smaller in size compared to other products of the same specifications.</p> <p>Yongming aluminum electrolytic capacitors have high energy storage capacity, meeting the energy loss reduction requirements of data centers. With limited overall server module constraints, not only is a small capacitor size required, but also a large energy storage capacity. To meet server demands, the capacitor's capacitance needs to reach at least 80% of its rated value.</p>	ymin-sale@ymin.com	
			IDC3-450V-1000 μ F 30*60			
			IDC3-450V-1200 μ F 30*65			
			IDC3-450V-1400 μ F 30*70			
			IDC3-475V-1200 μ F 30*75			
			IDC3-500V-1500 μ F 30*85			
			IDC3-500V-1700 μ F 30*95			
			IDC3-500V-1900 μ F 30*100			
			IDC6-450V-1000 μ F 30*65			<p>The IDC6 series of capacitors are long-life capacitors designed specifically for servers, enabling higher layout density in limited spaces. These capacitors offer high energy storage capacity, reaching over 82% of their rated value, meeting the stringent energy storage requirements of servers and helping data centers reduce energy consumption.</p>
			IDC6-450V-1400 μ F 30*80			
IDC6-500V-1200 μ F 30*75						
<p>As renewable energy penetration increases, the instability of wind and solar power is driving up demand for energy storage, particularly for balancing the grid and mitigating fluctuations. The growth of electric vehicles is also increasing demand for high-performance energy storage.</p>	Photovoltaic inverter Energy storage PCS	Low ESR High ripple current 105°C 6000H	CW6-315V-1000 μ F 35*50	<p>The role, advantages, and characteristics of self-standing aluminum electrolytic capacitors in converter PCS applications: High voltage withstand capability: High-voltage capacitors can handle larger currents and withstand the impact of instantaneous high voltage or load fluctuations. Low equivalent series resistance (ESR) and high ripple current withstand capability: With low ESR and high ripple current withstand capability, the capacitor's low ESR helps reduce voltage fluctuations and improve system stability. Long lifespan and high reliability: High temperature resistance and long lifespan ensure stable operation in harsh environments.</p>		
			CW6-450V-680 μ F 35*50			
			CW6-550V-330 μ F 35*55			
			CW6-550V-470 μ F 35*60			

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Hybrid supercapacitor/double-layer supercapacitor

Product Positioning Explanation	Product Categories	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
<p>I. Replacements for International Imported Brands: VINA lithium-ion capacitors, VINA 3.0V products, Seiko 414, Gaochipu 414, ELNA surface mount button capacitors, Maxwell high-capacity products;</p> <p>II. Capacitor Applications – Need Help? Contact Yung-Ming:</p> <p>1. Battery Replacement: Used in specific scenarios where batteries cannot meet requirements, replacing existing batteries.</p> <p>2. New Application Scenarios: Used in conjunction with batteries as hybrid energy storage, enhancing performance advantages and extending battery life.</p>	Hybrid Supercapacitor	low temperature	SLR-3.8V-40F 8*20	It can charge and discharge normally at a low temperature of -40° C, and the low-temperature degradation can reach more than 50-60%.	Smart water meters/heat meters /tower base stations Container locators	<p>1. Hybrid supercapacitors combine the advantages of lithium-ion batteries and supercapacitors, offering unique strengths in high and low temperature resistance, high-current charge and discharge performance, safety, and environmental friendliness, thus solving challenges in specific customer application scenarios.</p> <p>Few domestic manufacturers are capable of developing and producing this type of product, which mainly serves as a substitute for nichicon and murata.</p> <p>Solve the safety and environmental problems of batteries and replace batteries.</p> <p>1. As a power supply for an RTC clock, it can be surface-mounted; such products are rare both domestically and internationally.</p> <p>2. Compared to button batteries, it eliminates the need for replacement.</p> <p>3. Compared to button batteries, it has lower internal resistance and longer battery life.</p> <p>4. Compared to ordinary through-hole batteries, it is less user-friendly for automation.</p>
			SLR-3.8V-50F 10*20			
		High energy density	SLD-4.2V-70F 8*25	The energy density of this product is 30-40% higher than that of its competitors for the same size, and the internal resistance is 2-3 times lower.	Remote control/electronic doorbell/POS machine	
			SLD-4.2V-100F 8*30			
		Automotive Spec	SLA(H)-3.8V-40F 8*20	The product conforms to AEC-Q200 and is suitable for use under test conditions with a maximum temperature of 95° C.	Vehicle-mounted ETC/T-BOX/ Pre-installed OBU	
			SLA(H)-3.8V-80F 10*20			
		ultra-small diameter	SLX-3.8V-0.5mAh 3.55*7	Domestic competitors do not have products of similar size; the special electrode matching, product design, and manufacturing processes require extremely high standards.	Bluetooth thermometer/ temperature sensor; Solar-powered keyboard/ electronic shelf label	
			SLX-3.8V-1.4mAh 4*12			
			SLX-3.8V-1.8mAh 5*11			
			SLX-3.8V-3.6mAh 4*25			
Large diameter of 16mm (inclusive) and above	SLD-4.2V-1300F 18*40	The 1840 series capacitors from competitors typically have a capacitance of 750F. These cylindrical, high-capacity hybrid supercapacitors exhibit significantly superior overvoltage, overcurrent, and temperature shock resistance compared to other similar products.	Atomizer/Drone/Spiral Light/Server/BBU			
	SLR-3.8V-1500F 22*50					
surface mount type	SDV-3.0V-0.1F 5*5.8	Patented product, an industry first, low internal resistance, meets 260° C reflow soldering requirements, and is a replacement for ELNA surface mount buttons.	Power supplies for IPC cameras /commercial displays/server motherboards and various RTC clocks			
	SDV-3.0V-0.22F 6.3*5.8					
	SDV-3.0V-1.5F 8*12.5					
	SDV-3.0V-5.0F 12.5*13.5					
Double-layer supercapacitor				Power supply for POS machines/ industrial cameras/various RTC clocks		
				Car DVRs/Car Rearview Mirrors; Power supplies for various RTC clocks		

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Hybrid supercapacitor/double-layer supercapacitor

Product Positioning Explanation	Product Categories	Features	Representative product specifications	Product Advantages	Main application terminals	Application advantages
<p>I. Replacements for International Imported Brands: VINA lithium-ion capacitors, VINA 3.0V products, Seiko 414, Gaochipu 414, ELNA surface mount button capacitors, Maxwell high-capacity products;</p> <p>II. Capacitor Applications - Need Help? Contact Yung-Ming:</p> <p>1. Battery Replacement: Used in specific scenarios where batteries cannot meet requirements, replacing existing batteries.</p> <p>2. New Application Scenarios: Used in conjunction with batteries as hybrid energy storage, enhancing performance advantages and extending battery life.</p>	Double-layer supercapacitor	Slender	SDS-2.7V-1.5F 4*25	For its size, it boasts the highest internal storage capacity in the industry, while competitors typically offer around 1.35F, effectively ensuring longer battery life for the entire unit.	Electronic pen, Bluetooth thermometer, wired controller, mouse	The device features a slim, elongated design, supports fast charging, and boasts an
			SDS-2.7V-2.0F 4*25			
			SDS-2.7V-3.0F 5*35	There are no similar products in the industry, and the product design and manufacturing processes are extremely demanding.	Electronic pen, PDA data collector, Beidou command and control unit	
			SDS-2.7V-8.0F 6.3*38			
	3.0V high voltage	16mm (inclusive) and above large diameter	SDB-3.0V-30F 16*25	The unique dry electrode process ensures a positive capacitance of 30F for the same size, while competitors typically achieve 26-27F for this size.	Truck lithium battery one-button start/LTU/drone	1. Suitable for applications requiring high backup power and energy storage, such as harsh environments, industrial applications, long cycle life require-
			SDB-3.0V-60F 18*40	Under dual 85 conditions, its durability and long life performance are far superior to those of domestic and foreign counterparts.	Solar photovoltaic panels / drones / measurement switches	
			SDB-3.0V-160F 22*55	The wound lead structure achieves performance comparable to horn-shaped products, offering excellent value for money.	Concentrator/Energy Storage	
			SDH-2.7V-25F 16*25	The smallest capacity, horn-shaped product meets automotive-grade performance standards. Due to its high energy density, it does not bulge under high-temperature conditions (85° C), while imported products under the same conditions will exhibit bulging and premature failure.	CPM (Collision Mechanism) for Automotive Doors	
			SDH-2.7V-35F 16*30			
			SDN-3.0V-120F 22*45			
SDN-3.0V-600F 35*60	Horn-shaped, double-waisted, resistant to high temperature and humidity, meeting 85° C 1000H load life requirements.	Industrial PC/Wind Pitch Control /Emergency Starter Power Supply				
Hybrid Supercapacitor Module	Custom Module Voltage Capacity Dimensions	SLM-7.6V-3300F RCA	In applications operating at low temperatures (-40° C) or high current charge/discharge conditions, it replaces the battery and is equipped with a fuel gauge to monitor the module's power level in real time.	Monitoring power supply	In scenarios where alternative batteries cannot be used, such as insufficient	
		SLM-64V-40WH TDB	In applications where space is limited or cost is a constraint, this alternative to overcapacity modules can be configured with a BMS (Battery Management System) to provide overvoltage, overcurrent, and overtemperature protection.	DTU		
		SDM-5.4V-120F RCB	Two high-capacity, high-capacity modules meet the higher requirements of the concentrator field, with dual 85 1000H zero leakage.	Concentrator/SCU	Supercapacitors are the best and only choice for scenarios with high requirements for backup power and energy storage, such as harsh	
		SDM-10V-117F REA	Modules of various capacities with voltages ranging from 10-12V, supporting various packaging types including sleeve, plastic, and metal.	Industrial robots/energy storage		
		SDM-14V-78F TDA				
SDM-25V-1000F REA 370*370*150	Meets military-grade 24V voltage requirements	Tank Portable Emergency Power Supply				
SDM-30V-11F RYA	High-voltage, small-capacity modules; each individual product adopts a voltage equalization and current limiting design.	Power monitoring/FTU				

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Hybrid supercapacitor/double-layer supercapacitor

Product Positioning Explanation	Main application terminals	Product application requirements	Representative product specifications	Product advantages and application advantages	I am interested	
Used in the automotive market, as a replacement for international high-end brands: Maxwell, Eaton, and Vishay.	Car DVR	High power density	SDM-5.5V-2.5F 13*6.3*24	It exhibits excellent high and low temperature stability and extremely high safety, contributing to improved reliability, extended lifespan, and enhanced		
			SDM-5.5V-5.0F 16*8*27			
	Vehicle-mounted - Pre-installed ETC	AEC-Q200 certified; ultra-low self-discharge and long lifespan.	SLA(H)-3.8V-40F 8*20			It replaces pouch batteries and other similar products, is resistant to high and low temperatures, has extremely high safety, extends the lifespan of the entire
			SLA(H)-3.8V-80F 10*20			
	Onboard Door Collision Module	AEC-Q200 certified; high power density; long lifespan.	SDN-3.0V-120F 22*45			Its small size meets positive capacity requirements, facilitating miniaturization of the entire unit. It ensures worry-free low-temperature strong start-up,
			SDH-2.7V-25F 16*25			
Vehicle-mounted monitoring	Wide temperature range, safe, long cycle life	SDH-2.7V-35F 16*35	Dry electrode, 2000 hours of double 85 testing with zero leakage, long lifespan,			
		SDH-2.7V-5.0F 10*20				
One-button start for vehicle-mounted/truck	High voltage, high energy density, and high parameter	SDH-2.7V-10F 12.5*20	Dry electrode, 1000 hours of double 85 testing with zero leakage, long lifespan,			
		SDB-3.0V-30F 16*25				
Used in the power electronics market, replacing high-end international brands: VINA/MicroNano 3.0V products	Power Electronics - Guonan Power Grid	Positive capacity, double 85 requirements, zero leakage	SDB-3.0V-50F 18*40	Dry electrode, 1000 hours of double 85 testing with zero leakage, long lifespan,	ymin-sale@ymin.com	
			SDB(G)-3.0V-3.3F 8*20			
	Power electronics-HPLC carrier	Positive capacity, double 85 requirements,	SDL(G)-2.7V-10F 10*25			
Used in the security and instrumentation markets, replacing high-end international brands: VINA/Micro-Nano Lithium-ion Capacitors, 3.0V Products; SII/Precision 414; Korchip/High-Tech 414	Security - Combustible Gas	Extremely high capacitance and internal resistance	SDM-6V-60F RCA	Capacity and internal resistance are tiered for delivery, and the dual 85 test		
			SDB-3.0V-160F 22*55			
	Security - IPC Network Camera	Reflow soldering, small size, no need to replace	SDN-2.7V-300F 30*50	It meets the requirements of 260°C reflow soldering, enables surface mount technology, replaces imported 414 capacitors, fills the market gap for domestic		
			SDV-3.0V-0.1F 5*5.8			
	Security - Smart	Ultra-low self-discharge, safe and	SDV-3.0V-0.22F 6.3*5.8	High energy density, superior performance of polymer supercapacitors and batteries, no need for replacement or maintenance, ultra-long cycle life and excellent perfor-		
Security - Smart	Miniaturization, high energy density	SLA-3.8V-120F 10*30	The compact design and high energy density help improve the reliability of the entire			
Instrumentation - Gas Meter	High voltage, low internal resistance, long lifespan	SM(R)-6.0V-0.5F	It meets the 10-year service life requirement, has passed the dual 85 test for 1000 hours with zero leakage, successfully replaced the import, ensures the safety			
			18.5*10*17			

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Hybrid supercapacitor/double-layer supercapacitor

Product Positioning Explanation	Main application terminals	Product application requirements	Representative product specifications		Product advantages and application advantages	I am interested
	Instruments and Meters -- Water	Low temperature resistance, low	SLR-3.8V-40F	8*20	It meets the requirements for starting at -40°C, has ultra-low internal resistance, and replaces the SPC1520, helping to reduce the size of the whole	ymin-sale@ymin.com
			SLR-3.8V-50F	10*20		
Used in the industrial market, as an alternative to high-end international brands: Maxwell, Eaton, and Vishay.	Industrial Category - Industrial Robots	High voltage, low internal resistance, long lifespan	SDM-27V-1.0F	RYA	Customized modules for different voltages; ensuring long-term stable backup power for various voltage applications of the entire machine, and adapting to diverse	
			SDB-3.0V-10F	12.5*20		
	Industrial Category - Drones	Low internal resistance,	SDL-2.7V-50F	18*40	Ultra-low internal resistance; ensures rapid response of the whole machine under various load conditions, extends battery life, and improves the service life of	
			SDL-2.7V-100F	18*55		
	Industrial-grade RTC clock chips	Reflow soldering, small size, no need to replace	SDV-3.0V-0.22F	6.3*5.8	Meets 260°C reflow soldering requirements, enables surface mount technology, replaces imported 414 capacitors, achieves automated surface mount production, and	
	Industrial PLC	High temperature resistance, low	SDH-2.7V-2F	8*13	Ultra-low internal resistance; good high and low temperature stability, ensuring rapid response of the whole machine under various load conditions	
SDH-2.7V-5F			10*20			
Industrial applications - Servers, BBUs, RAID	Long cycle life, low internal resistance, high power density, and high stability	SDN-2.7V-180F	25*50	It exhibits excellent high and low temperature stability and extremely high safety, contributing to improved overall product reliability. The integrat-		
		SLF-4.0V-4500F	-			
		SDM-5.4V-35F	-			
		SDM-13.5V-8F	-			
Used in the consumer electronics market, as a replacement for international high-end brands: VINA, Nichicon	Consumer Goods - Bluetooth Thermometer, BBQ Probe	Ultra-small diameter, ultra-high temperature	SLX-3.8V-1.8mAh	5*11	With a minimum diameter of 3mm, the slender design meets the dimensions of 4*25 and 5*35. The slender design ensures that the whole product is more compact and	
			SDS-2.7V-1.0F	4*25		
	Consumer electronics - electronic pens, styluses	High energy density, long cycle life, and high stability	SDS-2.7V-2.0F	4*25	The 4*25 size allows for a 2.0F energy density, while most manufacturers only achieve 1.3F. This ultra-high energy density helps the product achieve a more	
			SDS-2.7V-3.0F	5*35		
			SLX-3.8V-10F	4*25		
	Consumer-grade - Low-light remote control	High energy density, low leakage current,	SLD-4.2V-70F	8*25	UN38.3 certification and high energy density facilitate a slim design, replacing dry cell batteries and eliminating concerns about the environmental impact of using traditional batteries in the device. It also improves product safety, easily	
			SLA-3.8V-50F	6.3*38		
	Consumer POS machines	High energy density, low leakage current, low self-discharge, environmentally friendly	SLA-3.8V-120F	12.5*20	With UN38.3 certification, high energy density, and battery replacement, this product eliminates concerns about the environmental impact of using batteries in	
SLA-3.8V-200F			12.5*25			
SLA-3.8V-350F			12.5*40			
Domestic customization	Portable multi-source	High temperature and humidity resistance, high	SDM-25V-1000F	370*370*150	High-voltage, high-capacity modules with high-power output design are independently controllable; the integrated design improves product reliability and ensures	

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