



Advance New Energy



CATALOG

2023

Advance New Energy (Ningbo) Co., Ltd.
www.ane-tech.com

Live your life, love your life!



Portable Power Station

Pure Sine Wave Inverter



Advance New Energy (Ningbo) Co., Ltd. specializes in the supply of pure sine wave inverters, power stations, plastic products, electronic components, and other applications. During its long-term development process, the company has earned the trust and praise of customers both at home and abroad by providing excellent product quality, leading technical advantages, and professional pre-sales, in-sales, and after-sales service.

Advance New Energy (Ningbo) Co., Ltd. is a Shenzhen Fangchao Technology Co., Ltd. subsidiary, which serves as the foundation for Advance New Energy (Ningbo) Co., Ltd.'s development and growth—established in 2016, with a focus on the power supply and related fields of application.

More companies were established in various cities to meet the needs of customers better and to provide differentiated products on a continuous basis.

- Ningbo Star Bridge Technology Co., Ltd. was founded in September 2019 to provide various molds, injection molding parts, PCB board assembly, finished product detection, packaging, sale, and electronics manufacturing services (EMS).
- Leading New Energy (Zhongshan) Co., Ltd. was established in April 2020, and is primarily responsible for the assembly, detection, packaging, and delivery of the inverter and power station.
- Advance New Energy (Ningbo) Co., Ltd. was established in Yuyao, Zhejiang Province, in September 2021.

In the future, the four companies will adhere to the construction of a new energy company with competition, innovation, and influence, and strive to become the main leader of the new energy business. With the goal of promoting new energy businesses to achieve leapfrog development, seize new opportunities in the new development pattern, give full play to the integration of the industrial chain, set higher goals, pursue faster development, reach a larger scale, improve more muscular strength, and create better future.



Advance New Energy

FSD SERIES

Pure Sine Wave Inverter



FSD-600W



Renewable Energy



For Healthy Living



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ANE-TECH POWER INVERTER

NEW

Optimize various product data and function
Green energy saving
High efficiency
High immunity to interference

PROTECTION FEATURES



Overload protection



Over temperature protection



Soft start protection



AC output protection



Short circuit protection



Overvoltage protection



Low voltage protection



Temperature control fan



Buzzer warning prompt



- Adopts new pure sine wave power inverter
- High power density with superior performance
- Surge rating: 2 x power rating
- Pure sine wave output (THD < 3%)
- Output frequency: 50/60Hz
- Advanced microprocessor
- LED indicators display
- Fan control
- Conforming to standards CE

Inverter Output	Model No.	FSD-600W	
	Continuous Power	600W	
	Peak Power	1200W	
	Output voltage adjustment	100-120V	200-240V
	Frequency	50/60Hz ± 0.05%	
	Output waveform	R Load Pure Sine Wave < 3% THD	
	Output protection	Overload, Overheat, Short circuit	
	Efficiency (full load)	88-89%	90-92%
	No-load power consumption	≤ 6W	
DC Input	Input voltage	12Vdc	24Vdc
	Input voltage range	10-16Vdc	20-32Vdc
	DC input over voltage alarm	15.5Vdc	31.0Vdc
	DC input over voltage shut-down	16.0Vdc	32.0Vdc
	DC input under voltage alarm	10.5Vdc	21.0Vdc
	DC input under voltage shut	10.0Vdc	20.0Vdc
	Input protection	Undervoltage, Overvoltage, Reverse connection	
Others	Panel Display	LED	
	Communication interface	/	
	Operating temperature range	-20°C to 50°C	
	Storage temperature range	-20°C to 60°C	
	Cooling	Loading and Temperature controlled cooling fan	
	Inverter dimensions (L x W x H)	247 x 130 x 57mm	
	Inverter weight	1.16kgs	
	Box dimensions (L x W x H)	275 x 175 x 100mm	
	Shipping weight	1.4kgs	
	Standard warranty	2 years	

AC output socket (selectable)



Note: The specifications are subject to change without notice.

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PSC SERIES Pure Sine Wave Inverter

★★★★★
New



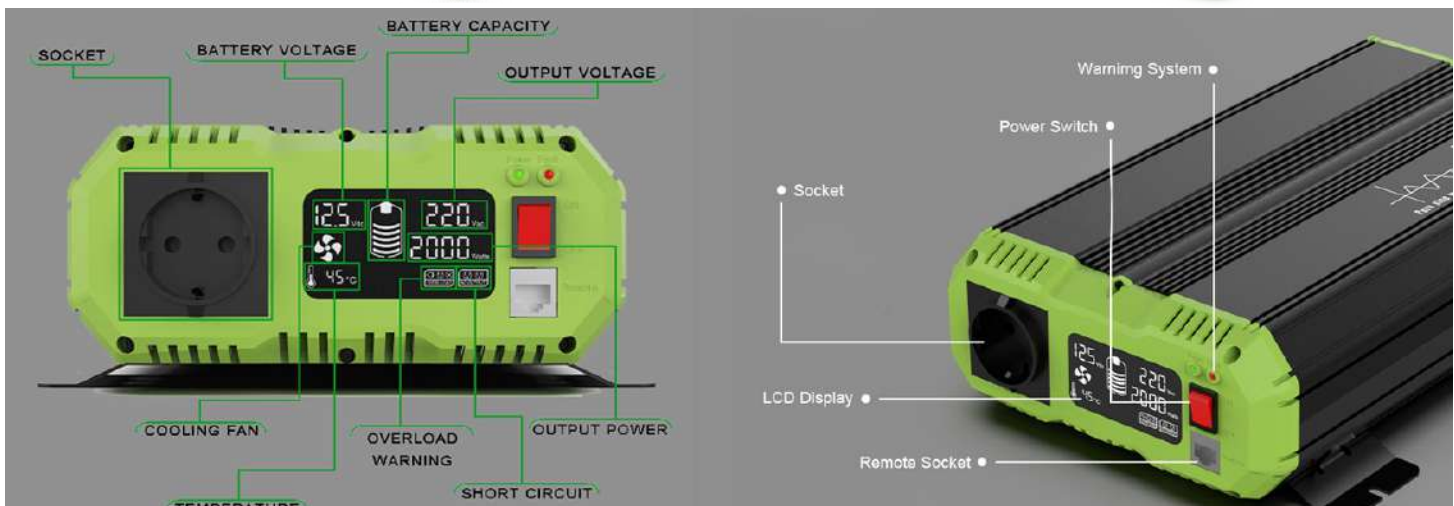
Optional Accessories



PSC-1200W



PSC-1800W





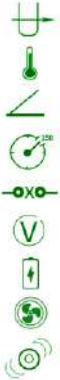
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PROTECTION FEATURES



Overload protection

Over temperature protection

Soft start protection

AC output protection

Short circuit protection

Overvoltage protection

Low voltage protection

Temperature control fan

Buzzer warning prompt

- Adopts new pure sine wave power inverter
- High power density with superior performance
- Surge rating: 2 x power rating
- Pure sine wave output(THD<3%)
- Output frequency: 50/60Hz
- Advanced microprocessor
- LED indicators display
- Fan control
- Conforming to standards CE

Inverter Output	Model No.	PSC-1200W			PSC-1800W		
	Continuous Power	1200W			1800W		
	Peak Power	2400W			3600W		
	Output voltage adjustment	100-120V			200-240V		
	Frequency	50/60Hz ± 0.05%					
	Output waveform	R Load Pure Sine Wave < 3% THD					
	Output protection	Overload, Overheat, Short circuit					
	Efficiency (full load)	88-89%			90-92%		
	No-load power consumption	≤ 7W			≤ 7.6W		
DC Input	Input voltage	12Vdc	24Vdc	48Vdc	12Vdc	24Vdc	48Vdc
	Input voltage range	10-16Vdc	20-32Vdc	42-62Vdc	10-16Vdc	20-32Vdc	42-62Vdc
	DC input over voltage alarm	15.5Vdc	31.0Vdc	61.0Vdc	15.5Vdc	31.0Vdc	61.0Vdc
	DC input over voltage shut-down	16.0Vdc	32.0Vdc	62.0Vdc	16.0Vdc	32.0Vdc	62.0Vdc
	DC input under voltage alarm	10.5Vdc	21.0Vdc	43.0Vdc	10.5Vdc	21.0Vdc	43.0Vdc
	DC input under voltage shut	10.0Vdc	20.0Vdc	42.0Vdc	10.0Vdc	20.0Vdc	42.0Vdc
	Input protection	Undervoltage, Overvoltage, Reverse connection					
Others	Panel Display	LCD					
	Communication interface	RS485					
	Operating temperature range	-20°C to 50°C					
	Storage temperature range	-20°C to 60°C					
	Cooling	Loading and Temperature controlled cooling fan					
	Inverter dimensions (L x W x H)	342 x 234 x 98mm			385 x 234 x 98mm		
	Inverter weight	3.0kgs			3.5kgs		
	Box dimensions (L x W x H)	430 x 290 x 173mm			430 x 290 x 173mm		
	Shipping weight	4.0kgs			5.0kgs		
	Standard warranty	2 years					
Remote controller (optional)							
AC output socket (selectable)							
Note: The specifications are subject to change without notice.							



KSC SERIES

Pure Sine Wave Inverter

★★★★★
New

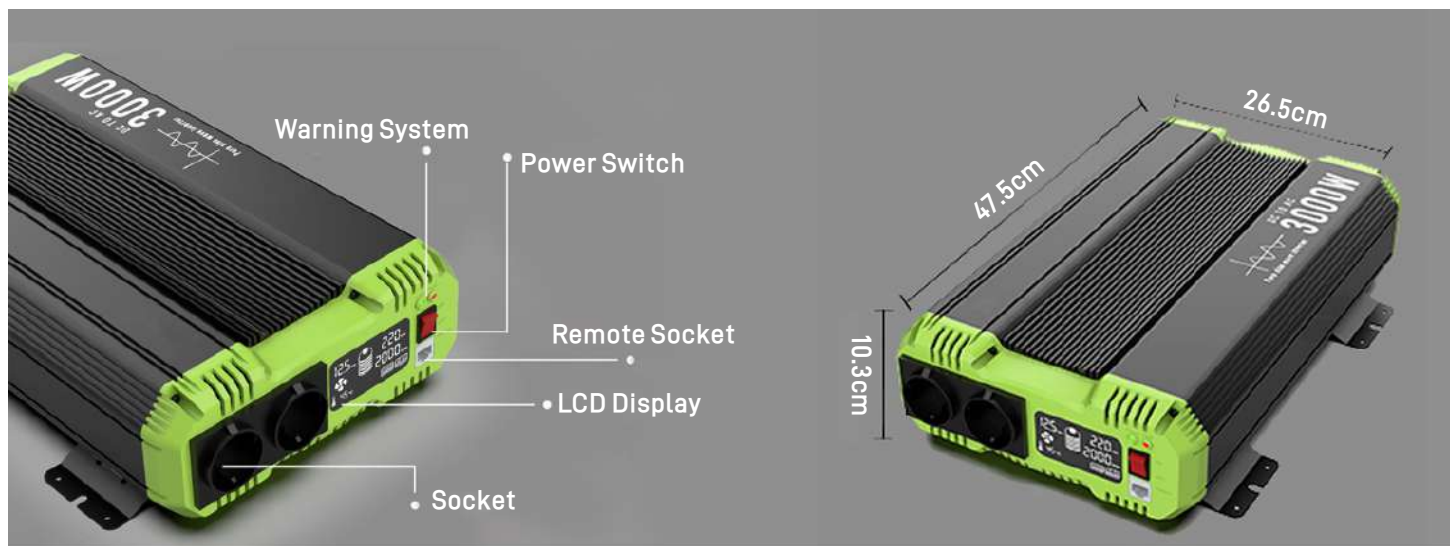


KSC-2500W



KSC-3000W

Optional Accessories





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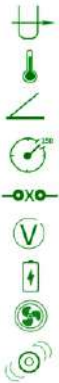
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PROTECTION FEATURES



Overload protection

Over temperature protection

Soft start protection

AC output protection

Short circuit protection

Overvoltage protection

Low voltage protection

Temperature control fan

Buzzer warning prompt

- Adopts new pure sine wave power inverter
- High power density with superior performance
- Surge rating: 2 x power rating
- Pure sine wave output (THD < 3%)
- Output frequency: 50/60Hz
- Advanced microprocessor
- LED indicators display
- Fan control
- Conforming to standards CE

	Model No.	KSC-2500W			KSC-3000W		
	Inverter Output	Continuous Power	2500W			3000W	
Peak Power		5000W			6000W		
Output voltage adjustment		100-120V			200-240V		
Frequency		50/60Hz ± 0.05%					
Output waveform		R Load Pure Sine Wave < 3% THD					
Output protection		Overload, Overheat, Short circuit					
Efficiency (full load)		88-89%			90-92%		
No-load power consumption		≤ 9.6W			≤ 12.9W		
DC Input		Input voltage	12Vdc	24Vdc	48Vdc	12Vdc	24Vdc
	Input voltage range	10-16Vdc	20-32Vdc	42-62Vdc	10-16Vdc	20-32Vdc	42-62Vdc
	DC input over voltage alarm	15.5Vdc	31.0Vdc	61.0Vdc	15.5Vdc	31.0Vdc	61.0Vdc
	DC input over voltage shut-down	16.0Vdc	32.0Vdc	62.0Vdc	16.0Vdc	32.0Vdc	62.0Vdc
	DC input under voltage alarm	10.5Vdc	21.0Vdc	43.0Vdc	10.5Vdc	21.0Vdc	43.0Vdc
	DC input under voltage shut	10.0Vdc	20.0Vdc	42.0Vdc	10.0Vdc	20.0Vdc	42.0Vdc
	Input protection	Undervoltage, Overvoltage, Reverse connection					
Others	Panel Display	LCD					
	Communication interface	RS485					
	Operating temperature range	-20°C to 50°C					
	Storage temperature range	-20°C to 60°C					
	Cooling	Loading and Temperature controlled cooling fan					
	Inverter dimensions (L x W x H)	375 x 265 x 103mm			475 x 265 x 103mm		
	Inverter weight	5.0kgs			6.5kgs		
	Box dimensions (L x W x H)	425 x 325 x 183mm			520 x 325 x 183mm		
	Shipping weight	6.0kgs			8.0kgs		
	Standard warranty	2 years					
Remote controller (optional)							
AC output socket (selectable)							

Note: The specifications are subject to change without notice.



TSE Series

Pure Sine Wave Inverter

Silver



• LED SMART DISPLAY

• Toggle key

• Switch

• Socket

• Wiring board

• Socket



TSE-4000W

TSE-5000W

TSE-6000W



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PROTECTION FEATURES

- Overload protection
- Over temperature protection
- Soft start protection
- AC output protection
- Short circuit protection
- Overvoltage protection
- Low voltage protection
- Temperature control fan
- Buzzer warning prompt

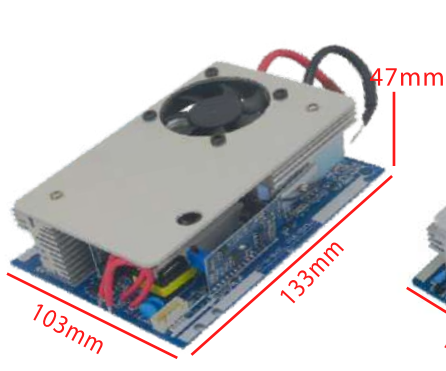
- Adopts new pure sine wave power inverter
- High power density with superior performance
- Surge rating: 2 x power rating
- Pure sine wave output(THD<3%)
- Output frequency: 50/60Hz
- Advanced microprocessor
- LED indicators display
- Fan control
- Conforming to standards CE

		TSE-4000W			TSE-5000W			TSE-6000W		
Inverter Output	Model No.	TSE-4000W			TSE-5000W			TSE-6000W		
	Continuous Power	4000W			5000W			6000W		
	Peak Power	8000W			10000W			12000W		
	Output voltage adjustment	100-120V	200-240V		200-240V			200-240V		
	Frequency	50/60Hz ± 0.05%								
	Output waveform	R Load Pure Sine Wave < 3% THD								
	Output protection	Overload, Overheat, Short circuit								
	Efficiency (full load)	88-89%	90-92%		90-92%			90-92%		
No-load power consumption	≤ 14W			≤ 16W			≤ 16W			
DC Input	Input voltage	24Vdc	48Vdc	60Vdc	24Vdc	48Vdc	60Vdc	24Vdc	48Vdc	60Vdc
	Input voltage range	20-32Vdc	42-62Vdc	50-75Vdc	20-32Vdc	42-62Vdc	50-75Vdc	20-32Vdc	42-62Vdc	50-75Vdc
	DC input over voltage alarm	31.0Vdc	61.0Vdc	74.0Vdc	31.0Vdc	61.0Vdc	74.0Vdc	31.0Vdc	61.0Vdc	74.0Vdc
	DC input over voltage shut-down	32.0Vdc	62.0Vdc	75.0Vdc	32.0Vdc	62.0Vdc	75.0Vdc	32.0Vdc	62.0Vdc	75.0Vdc
	DC input under voltage alarm	21.0Vdc	43.0Vdc	51.0Vdc	21.0Vdc	43.0Vdc	51.0Vdc	21.0Vdc	43.0Vdc	51.0Vdc
	DC input under voltage shut	20.0Vdc	42.0Vdc	50.0Vdc	20.0Vdc	42.0Vdc	50.0Vdc	20.0Vdc	42.0Vdc	50.0Vdc
	Input protection	Undervoltage, Overvoltage, Reverse connection								
Others	Panel Display	LCD								
	Communication interface	/								
	Operating temperature range	-20°C to 50°C								
	Storage temperature range	-20°C to 60°C								
	Cooling	Loading and Temperature controlled cooling fan								
	Inverter dimensions (L x W x H)	385 x 225 x 155mm			480 x 220 x 155mm			480 x 220 x 155mm		
	Inverter weight	7.8kgs			9.64kgs			9.64kgs		
	Box dimensions (L x W x H)	455 x 290 x 236mm			555 x 290 x 236mm			555 x 290 x 236mm		
	Shipping weight	9.0kgs			11.0kgs			11.0kgs		
Standard warranty	2 years									
AC output socket (selectable)										

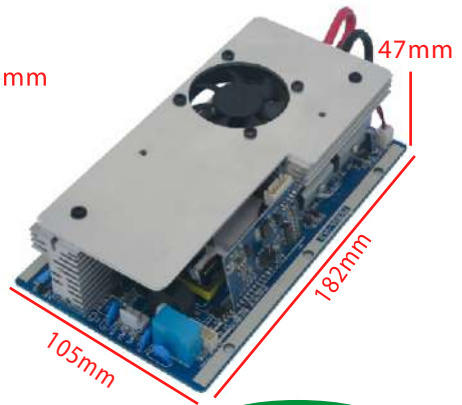
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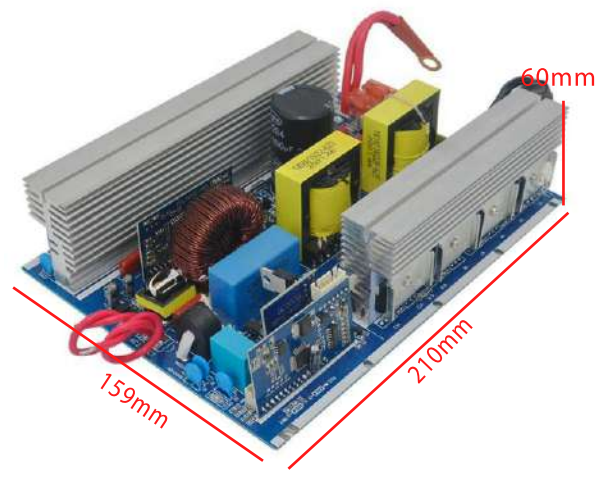
PCBA Series Main Board for Inverter



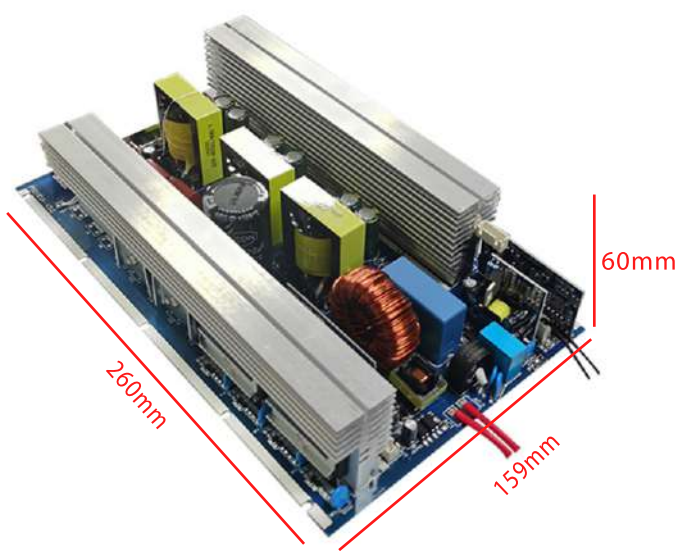
PCBA-300W



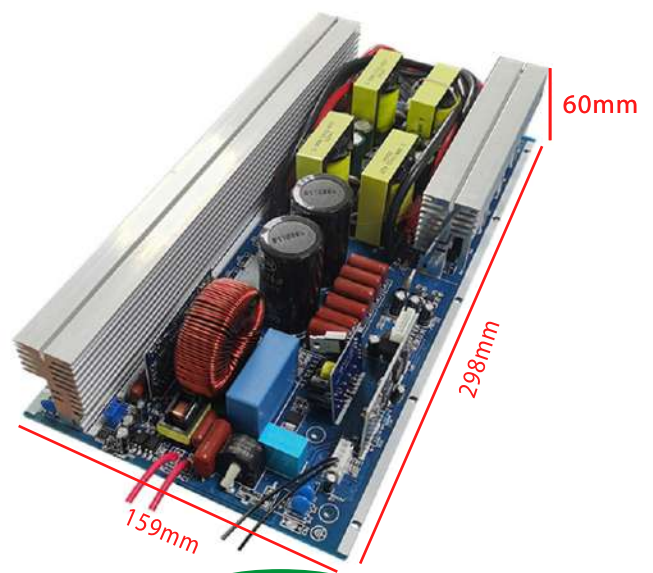
PCBA-500W



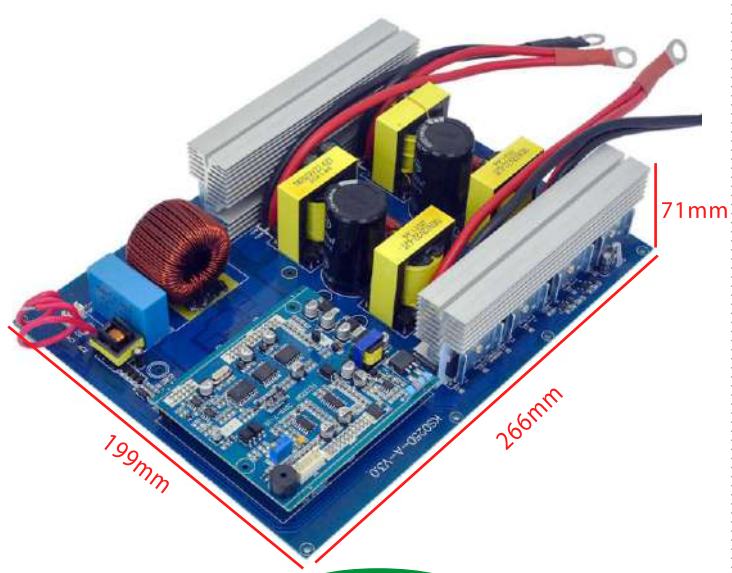
PCBA-1000W



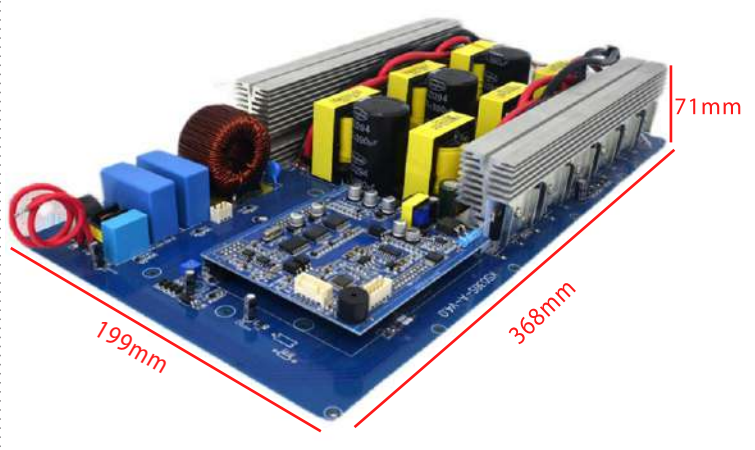
PCBA-1500W



PCBA-2000W



PCBA-2500W



PCBA-3000W

**Outdoor Power Supply Series****Pure Sine Wave Inverter****In Moulding**

PPS-1000W-A

PPS-2000W-A

PPS-3000W-A

OUTPUT			
Rated Power	1000W	2000W	3000W
Peak Power	2000W	4000W	6000W
Output Voltage	AC 220V		
Output Frequency	50Hz		
Output Waveform	Pure Sine Wave		
Panel Display	Color Screen		
Output Protection	Overload protection, overheat protection, short circuit protection		
INPUT			
Battery Type	Li-ion phosphate battery		
Battery Voltage	24V		
No Load Power Consumption	≤ 14W		
Efficiency	88%~92%		
Input Protection	Undervoltage protection, overvoltage protection, reverse connection protection (internal fuse)		
Environment			
Storage Condition	Temp. -20°C~60°C; RH≤ 93%		
Battery Compatibility	Compliance with CE / IEC62109-1-2		
Package			
Product Size			
Product Weight			
Color Box Size			
Carton			



Advance New Energy



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