

Ipower series Pure Sine Wave Inverter

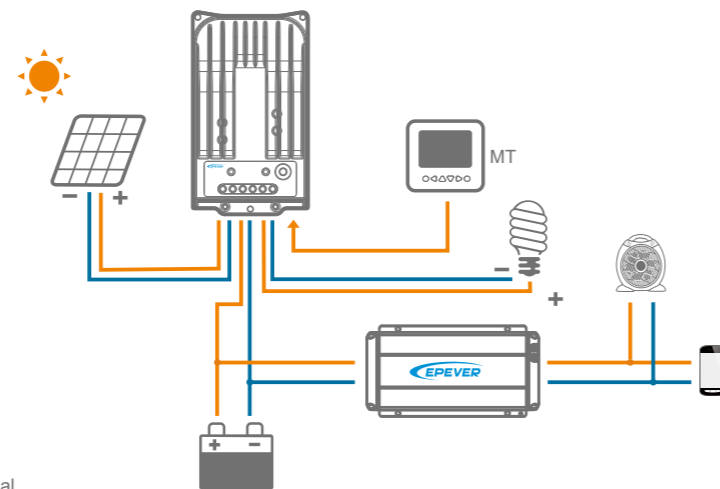


Ipower series is a kind of pure sine wave inverter which can convert 12/24/48VDC to 220/230VAC (or 110/120VAC). Industrial design, compared with the civil design, has a wider operating temperature range, greater reliability and higher efficiency. There are lots of advantages such as concise and light graceful appearance, easy installation and operation. The wide input voltage range is ideal for solar system application. The inverter can be applied in many fields, such as household emergency lighting system, vehicle mounted system and small field power supply etc.

FEATURES

- Safe design with input and output electrical isolation
- Adoption of advanced SPWM technology, pure sine wave output
- Optional output voltage 220/230VAC (or 110/120VAC) choosing by DIP switch
- LED indicators for fault status and working status
- Lower No-load consumption
- Max. efficiency up to 95% (IP2000-22,IP2000-42) ①
- Input protection: Over voltage protection, low voltage protection
- Output protection: Over load protection, short circuit protection
- Over temperature protection: Temperature-controlled fan ventilation; Inverter turns off automatically when overheating
- Optional USB output 5VDC/1A
- Optional RS485 communication port ②

① The efficiency is tested at rated input voltage, 220V output with resistive load, 25 °C ambient temperature, 1500VA and higher version
 ② 1000VA and higher version support RS485 communication port optional



TECHNICAL SPECIFICATIONS

Model	IP350-11	IP500-11	IP350-21	IP500-21	IP350-12	IP500-12	IP350-22	IP500-22
Input Rated Voltage	12VDC		24VDC		12VDC		24VDC	
Input voltage range	10.8~16VDC		21.6~32VDC		10.8~16VDC		21.6~32VDC	
Output voltage	110VAC(±5%)/120VAC(-10%~+5%)				220VAC(±5%)/230VAC(-10%~+5%)			
Output Wave	Pure sine wave							
Output Frequency	50/60±0.1 Hz							
Output Continuous Power	280W	400W	280W	400W	280W	400W	280W	400W
Output Power 15 min.	350W	500W	350W	500W	350W	500W	350W	500W
Max.Surge power	750W	1000W	750W	1000W	750W	1000W	750W	1000W
Distortion THD	THD≤5% (resistive load)							
Peak Efficiency	90%		91%		90%		92%	
Max.USB Output (Optional)	5VDC/1A							
No-load consumption	<0.7A	<0.9A	<0.5A	<0.5A	<0.7A	<0.9A	<0.5A	<0.5A
Working Temperature	-20℃~+45℃							
Enclosure	IP20							
Overall dimension(L×W×H)	214×105.5×57.7mm		232.2×132×74.5mm		214×105.5×57.7mm		232.2×132×74.5mm	
Net weight	0.9kg		1.4kg		0.9kg		1.4kg	

Model	IP1500-11	IP1500-21	IP2000-21	IP2000-41	IP1500-12	IP1500-22	IP2000-22	IP2000-42
Input Rated Voltage	12VDC	24VDC	24VDC	48VDC	12VDC	24VDC	24VDC	48VDC
Input voltage range	10.8~16VDC	21.6~32VDC	21.6~32VDC	43.2~60VDC	10.8~16VDC	21.6~32VDC	21.6~32VDC	43.2~60VDC
Output voltage	110VAC(±5%) 120VAC(-7%~+5%)		110VAC(±5%) 120VAC(-10%~+5%)		220VAC(±5%) 230VAC(-7%~+5%)		220VAC(±5%) 230VAC(-10%~+5%)	
Output Wave	Pure sine wave							
Output Frequency	50/60±0.1 Hz							
Output Continuous Power	1200W		1600W		1200W		1600W	
Output Power 15 min.	1500W		2000W		1500W		2000W	
Max.Surge power	2400W		3200W		2400W		3200W	
Distortion THD	THD≤5% (resistive load)							
Peak Efficiency	93%	94%	94%		93%	94%	95%	
Max.USB Output (Optional)	5VDC/1A							
No-load consumption	<1.0A	<0.6A	<0.6A	<0.4A	<1.0A	<0.6A	<0.6A	<0.4A
Working Temperature	-20℃~+45℃							
Enclosure	IP20							
Overall dimension(L×W×H)	326.12×231.5 ×98.5mm	284.7×231.5 ×98.5mm	326.12×231.5×98.5mm		326.12×231.5 ×98.5mm	284.7×231.5 ×98.5mm	326.12×231.5×98.5mm	
Net weight	3.9kg		4.0kg		3.9kg		4.0kg	

PRODUCT FAMILY

	IP350-11	IP350-12	IP1500-11	IP1500-12
	IP500-11	IP500-12	IP1500-21	IP1500-22
	IP350-21	IP350-22	IP2000-21	IP2000-22
	IP500-21	IP500-22	IP2000-41	IP2000-42
	12V/24V		12V/24V/48V	