

IPower Plus series

Pure Sine Wave Inverter

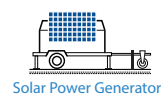
Overview

IPower-Plus is a high-frequency pure sine wave inverter which adopts digital intelligent control technology. The inverter brings lower inrush current of input, faster dynamic response, better impact resistance from load, more reliable of operation, also supports lithium batteries. This product fits any situation of DC to AC, such as RVs, boats, residences, and places where require high quality of electrical power.



Features

- Pure sine wave output
- Input to output electrical isolation
- Digital dual closed-loop control of voltage and current
- Input surge current suppression for lithium battery systems
- Output power factor up to 1
- Simple system wiring & 180 degrees rotating LCD
- Input Protection: Reverse polarity, Low-voltage, Over-voltage
- Output Protection: Overload, Short circuit, Overheating
- Phone and PC remote control through RS485 port
- Extra external switch port
- Safety (EN/IEC62109) & EMC approved by international standards



Technical Specifications

Item	IP1500-12-Plus(T)	IP2000-12-Plus(T)	IP2000-22-Plus(T)	IP2000-42-Plus(T)	IP3000-12-Plus(T)
Output continuous power	1500W@35℃@ Rated input voltage	2000W@35℃@ Rated input voltage			3000W@35℃@ Rated input voltage
Surge power	3000W@5S	4000W@5S			6000W@5S
Output voltage	220VAC(±3%);230VAC(-7%~+3%)				
Output frequency	50/60Hz±0.2%				
Output wave	Pure Sine Wave				
Output distortion THD	THD≤3%(Resistive load)				
Load power factor	0.2~1(VA≤Continuous output power)				
Rated input voltage	12VDC	12VDC	24VDC	48VDC	12VDC
Input voltage range	10.8~16VDC	10.8~16VDC	21.6~32VDC	43.2~64VDC	10.8~16VDC
Max. efficiency①	>93%(30% load)	>94%(30% load)	>93%(30% load)	>94.5%(30% load)	>94%(30% load)
Self-consumption	<0.2A				
No-load current	<1.4A@12V	<1.2A	<1.0A	<0.5A	<1.6A
RS485 com. port	5VDC/200mA				
Overall dimension (L*W*H)	387×231.5×123mm	421×213.5×123mm			557×231.5×123mm
Weight	6kg	8kg	6.5kg	6.5kg	10.5kg
Working Temperature	-20℃~+50℃(Refer to the Reduced capacity curve)				
Humidity	≤95%(N.C.)				
Enclosure	IP20				

①When the DC input voltage is equal to system rated voltage, and connected with 30% power of load, the max conversion efficiency is 93%.