

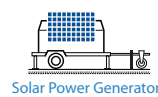
Overview

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, residential, 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)	IP1500-11-Plus(T)	IP2000-11-Plus(T)	IP2000-12-Plus(T)	IP2000-22-Plus(T)	IP2000-42-Plus(T)	IP2000-41-Plus(T)
Output continuous power	1500W@35°C@ Rated input voltage		2000W@35°C@ Rated input voltage				
Surge power	3000W@5S	3000W@5S	4000W@5S				
Output voltage	220VAC(±3%);230VAC(-7%~+3%)	110VAC(±3%);120VAC(-7%~+3%)		220VAC(±3%);230VAC(-7%~+3%)			110VAC(±3%); 120VAC(-7%~+3%)
Output frequency	50/60Hz±0.2%						
Output wave	Pure Sine Wave						
Output distortion THD	THD≤3%(Resistive load)	THD≤4%(Resistive load)	THD≤5%(Resistive load)	THD≤3%(Resistive load)			THD≤4%(Resistive load)
Load power factor	0.2~1(VA≤Continuous output power)						
Rated input voltage	12VDC	12VDC	12VDC		24VDC	48VDC	48VDC
Input voltage range	10.8~16VDC	10.8~16VDC	10.8~16VDC		21.6~32VDC	43.2~64VDC	43.2~64VDC
Max. efficiency	> 93%(30% load)	> 93.5%(30% load)	> 92% (30% loads)	> 94%(30% load)	> 93%(30% load)	> 94.5%(30% load)	> 93%(30% load)
Self-consumption	< 0.2A						
No-load current	< 1.4A@12V	< 1.0A@12V	< 1.2A@12V		< 1.0A@24V	< 0.5A@48V	< 0.5A@48V
RS485 com. port	5VDC/200mA						
Overall dimension (L*W*H)	387×231.5×123mm	387×231.5×123mm	420×231.5×123mm		421×213.5×123mm		
Weight	6kg	6kg	8kg		6.5kg	6.5kg	6.5kg
Working Temperature	-20°C~+60°C(Refer to the Reduced capacity curve)						
Humidity	<95%(N.C.)						
Enclosure	IP20						

Technical Specifications

Item	IP3000-11-Plus(T)	IP3000-12-Plus(T)	IP3000-42-Plus(T)	IP4000-41-Plus(T)	IP4000-42-Plus(T)	IP5000-42-Plus(T)
Output continuous power	3000W@35°C@ Rated input voltage			4000W@35°C@ Rated input voltage		5000W@35°C@ Rated input voltage
Surge power	4800W@1S	6000W@5S	6000W@5S	8000W@5S		
Output voltage	110VAC(±3%); 120VAC(-7%~+3%)	220VAC(±3%); 230VAC(-7%~+3%)		110VAC(±3%); 120VAC(-7%~+3%)	220VAC(±3%); 230VAC(-7%~+3%)	
Output frequency	50/60Hz±0.2%					
Output wave	Pure Sine Wave					
Output distortion THD	THD≤4%(Resistive load)	THD≤3%(Resistive load)		THD≤4%(Resistive load)	THD≤3%(Resistive load)	
Load power factor	0.2~1(VA≤output continuous power)					
Rated input voltage	12VDC			48VDC		
Input voltage range	10.8~16VDC			43.2~64VDC		
Max. efficiency	> 93% (30% loads)	> 94%(30% load)	> 94.5%(30% load)	> 93% (30% loads)	> 94%(30% load)	
Self-consumption	< 0.2A					
No-load current	< 1.6A@12V		< 0.5A@48V	< 0.6A@48V		< 0.8A@48V
RS485 com. port	5VDC/200mA					
Overall dimension (L*W*H)	550×274×148mm	557×231.5×123mm	491×231.5×123mm	521×274×148mm	516×231.5×123mm	531×231.5×123mm
Weight	13kg	10.5kg	7kg	12kg	8kg	9kg
Working Temperature	-20°C~+60°C(Refer to the Reduced capacity curve)					
Humidity	<95%(N.C.)					
Enclosure	IP20					