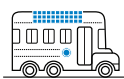
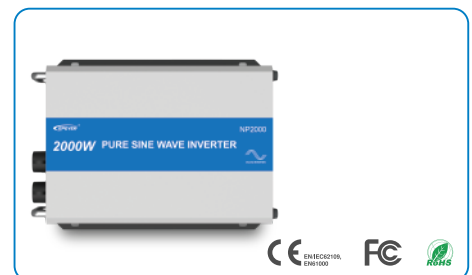


Overview

NPower series is a low-frequency pure sine wave inverter which can convert 12/24/48VDC to 220/230V AC (or 110V/120V AC) and power the AC loads. It has stronger ability to work with impact load. Ranging from 260W to 5000W, Npower is compatible with lithium-ion battery perfectly, and suits for the system which requires high reliability.

Features

- Adoption of advanced SPWM technology, pure sine wave output
- Adopt voltage and current double closed-loop control to enhance the load capacity
- The input and output adopt completely isolated inverter technology with high reliability
- The input adopts an anti-surge design to meet the special requirements of surge limitation of the lithium battery
- The output adopts excellent EMC design to prevent interference of connected equipment
- Output voltage 220/230VAC (or 110/120VAC)and frequency 50/60Hz optional
- Extensive protections: input reverse polarity, input overvoltage, input low voltage, output overload and short circuit, overheating
- RS485 port can connect the communication module, realize remote start/stop inverter and monitor the running status via the APP or PC software
- Set the inverter's ID via the APP or PC software to monitor several inverters
- The case is designed with the galvanized board, with high strength and strong corrosion resistance



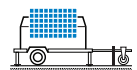
Solar Car



Solar Home



Solar Boat



Solar Power Generator

Technical Specifications

Item	NP600-11	NP1000-11	NP1000-21	NP2000-11	NP2000-21	NP2000-41	NP2500-11	NP2500-21	NP2500-41
Continuous output power	600W@25°C, 500W@45°C	1000W@25°C, 800W@45°C	1000W@25°C, 1000W@45°C	2000W@25°C, 2000W@45°C	2000W@25°C, 2000W@45°C	2000W@25°C, 2000W@45°C	2500W@25°C, 2500W@45°C	2500W@25°C, 2500W@45°C	2500W@25°C, 2500W@45°C
Surge power	1200W	2000W	2000W	4000W	4000W	4000W	5000W	5000W	5000W
Output voltage	110/120VAC (±5%)	110/120VAC (±5%)	110/120VAC (±5%)	110/120VAC (±5%)	110/120VAC (±5%)	110/120VAC (±5%)	110/120VAC (±5%)	110/120VAC (±5%)	110/120VAC (±5%)
Output frequency	50/60Hz±0.2%								
Output wave	Pure sine wave								
Output distortion THD	THD≤5%(Resistive load)								
Load power factor	0.2-1(Load VA ≤ Continuous output power)								
Rated input voltage	12VDC	12VDC	24VDC	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Input voltage range	10.8~16.0VDC	10.8~16.0VDC	21.6~32VDC	10.8~16.0VDC	21.6~32.0VDC	43.2~64.0VDC	10.8~16.0VDC	21.6~32.0VDC	43.2~64VDC
Output efficiency of 80% rated power	82.50%	83.40%	88%	84%	89%	89.40%	84.40%	89.10%	91.10%
Max. rated efficiency	80.20%	80.60%	85.70%	82.50%	87.50%	87.70%	81.30%	86.80%	89.70%
Max. output efficiency	90.7%(150W)	92.2%(200W)	93.4%(250W)	90.8%(500W)	93.9%(500W)	93.9%(500W)	90.9%(500W)	94%(500W)	94%(800W)
No-load current	< 0.67A	< 0.59A	< 0.33A	< 1.9A	< 0.5A	< 0.3A	< 2.1A	< 0.6A	< 0.5A
Static Loss	< 0.3W@12V	< 0.3W@12V	< 0.4W@24V	< 0.6W@12V	< 0.6W@24V	< 1.8W@48V	< 0.6W@12V	< 0.6W@24V	< 1.8W@48V
RS485 com. port	5VDC/300mA (Non-isolated)	5VDC/300mA (Non-isolated)	5VDC/300mA (Non-isolated)	5VDC/300mA (Non-isolated)	5VDC/300mA (Non-isolated)	5VDC/200mA (Isolation)	5VDC/300mA (Non-isolated)	5VDC/300mA (Non-isolated)	5VDC/200mA (Isolation)
Dimension(LxWxH)	428×243×121 mm	511×268×139 mm	511×268×139 mm	554×393×175 mm	554×393×175 mm	486×313×145 mm	584×393×175 mm	604×393×175 mm	549×328×175 mm
Mounting dimension	260×220mm	300×245mm	300×245mm	350×372mm	350×372mm	350×292mm	350×372mm	350×372mm	350×307mm
Net Weight	10.8kg	16.1kg	16.0kg	30.3kg	28.1kg	21.2kg	32.5kg	32.7kg	26.5kg
Operating temperature range	-20°C~+45°C(Full load)								
Relative humidity	< 95%(N.C.)								
Enclosure	IP20								