

Solar-Power Series

Off-grid Solar Inverter 3600VA/3600W



FEATURES

- ◆ Max Input Power: 18A/5000W, Power Factor 1.
- ◆ Wide range of input voltages: 208AVC-240AVC
- ◆ Smart design and unique lithium battery wake-up function.
- ◆ Support WIFI/GPRS remote monitoring, setting and upgrade.
- ◆ Built-in MPPT controller, PV array input voltage can be up to 500v.
- ◆ Flexible working modes with settable AC/Solar Input priority and output priority.
- ◆ Advanced battery management; supports lithium batteries and lead-acid batteries.
- ◆ Support micro grid system with separate generator input terminal, and can remote control generator.
- ◆ With CAN, RS485 for BMS communication.

Technical Parameter

MODEL	Solar -Power Series 3600VA/3600W Off-grid solar
Rate Power	3600W/3600VA
Surge Power	Bypass 5700VA
Parallel Function	NO
BMS	YES
Touch Screen	YES
Input	
Main Topology	208-230VAC
Nominal Voltage	230Vac, 50/60Hz±0.1%
Power Factor	1
Input Voltage Range	90~280Vac±3V(Normal mode) / 170~280Vac±3V(UPS mode)
Frequency Range	40~70Hz±0.1% (Auto Sensing)
Output	
Output Voltage	208Vac / 220Vac / 230Vac / 240Vac±5%, 50/60Hz±0.1%
Transfer Time	10ms (For Personal Computers), 10ms (For Home Appliances)
Overload Capacity (Battery Mode)	1min@102%~110%Load; 10s@110%~130%Load; 3s@130%~150%Load; 0.2s@>150% Load
Peak Efficiency (Battery Mode)	92.70%
Standby Power	< 60W
Waveform	Pure sine wave
Battery	
Battery Voltage	24VDC
Start Voltage	23VDC
Constant Charging Voltage (adjustable)	28.2VDC
Overcharge Voltage	30.5VDC
Float Charging Voltage (adjustable)	27VDC
Charge	
Charging method	MPPT
Maximum input current	18A
Max. PV Array Power	5000W
PV Array Voltage Range	500VDC
Charging current	2-100A (adjustable)
Max Charging Current (AC charger)	100A
Max Charging Current (solar charger)	100A
Tracking efficiency	99.5% max
MPPT Range	40~430VDC
Display	
LCD	Operating mode/load/input/output, etc
Interface	
RS485 / CAN	
RS232	5PIN / Pitch2.0mm, Baud 2400
Expansion Slots	2X5 PIN / Pitch2.54mm; SNMP card, USB, Dry junction card, Lithium battery BMS communication card, WIFI (5KW)
Parallel interface (optional)	/
Environment	
Temperature and humidity	-10°C~50°C (Derating when ambient temperature>40 °C) ; 20%~95% (No condensation)
Noise	≤50dB
Storage temperature	-15~60°C
Altitude	The altitude should not exceed 1000m, with a reduction of 1000m or more and a maximum of 4000m. Refer to IEC62040
Physical	
Dimension D*W*H (mm)	595*390*215
Net weight (KG)	7.4
Gross weight (KG)	8.5

Product specifications are subject to change without prior notice.