

Pure Sine Wave Inverter

JUNIOR GREEN POWERBOX

SCPV-4000MPPT



- Pure sine wave inverter
- Built in **MPPT** solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Parallel operation with up to 4 units only available for Silicon CPV 4K/5K
- Optional Remote Control Panel available



Rated Power	5000 VA / 4000 W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home appliances)
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Surge power	10000 VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers) ; 20ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY & AC CHARGER	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	60 VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	3000 W
MPPT Range @ Operating Voltage	60VDC-115VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	60 A
Maximum AC Charge Current	60 A
Maximum Charge Current	120 A
Maximum Efficiency	98%
Standby Power Consumption	2 W
Physical	
Dimension, D x W x H (mm)	140 x 295 x 540
Net Weight (kgs)	13.5
Operating Environment	
Humidity	5% to 95% Relative Humidity (Non Condensing)
Operating Temperature	0°C – 55°C
Storage Temperature	-15°C – 60°C
*There are charging current selection only available for 230VAC system	
Product specifications are subject to change without further notice	
MODEL	5000 VA / 4000 W
Inverter Power	4000 W
Pmax. generated from solar charger	60Amp, 3000W
Best Panel Configuration	3000Wp (250Wp x 12pcs)