

MPPT SOLAR INVERTER

4KW PV 5600

LIFETIME**FREE SERVICE
WARRANTY****2 YEARS****UNLIMITED PARTS
REPLACEMENT
WARRANTY**

Max PV Input
5600W



Max PV Voltage
500VDC



Max PV Input
Current 40A



MPPT Range
60~450VDC



Dual AC Output
4000W



120A Charging
Current



Works with &
Without Batteries
24VDC



Touchable button
with colored LCD



Built-in
BMS



USB
On-The Go



Mobile & Web
Monitoring



Pure Sine
Wave



- Increased PV power to 5600W
- Dual output for smart load management
- Maximum PV input current **40A**
- Customizable status LED ring with RGB lights
- Touchable button with large 4.3" colored LCD
- Built-in WiFi for mobile monitoring and OTA firmware upgrade
- Supports USB On-the-Go function
- Built-in BMS communication port
- Built-in meter calibration for optimized system operation
- Battery independent design
- Built-in anti-dust kit

MODEL	SM-ORION-PLUS-4KW
RATED POWER	4000VA/4000W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 10%
Surge Power	8000VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	33 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger type	MPPT
Maximum PV Array Power	5600W
MPP Range @ Operating Voltage	60 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	40A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
PHYSICAL	
Dimension, D x W x H (mm)	136 x 300 x 400.2
Net Weight (kgs)	10
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Product specifications are subject to change without further notice.