



Hybrid Inverter

DUAL 4KW



Max PV Input
5000W



Max PV Voltage
500VDC



Max PV Input
Current **27A**



MPPT Range
60-450VDC



Dual AC Output
4000W



120A Charging
Current



Works With &
Without Batteries
24VDC



Net Metering
(Feed into Grid)



Built-in
Wifi



Built-in
BMS



USB
ON-THE GO



Mobile & Web
Monitoring



Pure Sine
Wave



Smart &
Safe

LIFETIME WARRANTY

2 Year Unlimited Parts & Lifetime Free Service Warranty
*Terms & Conditions Apply

MODEL	SM-ORION-DUAL 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	5000W
MPPT Range @ Operating Voltage	60 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
PHYSICAL	
Dimension, D x W x H (mm)	119 x 313.6 x 457.5
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.