

# MPPT SOLAR INVERTER 6KW



**LIFETIME FREE SERVICE WARRANTY**

2 Years Unlimited Parts Replacement Warranty

\*Terms & Conditions Apply



Max PV Input  
7000W



Max PV Voltage  
500VDC



Max PV Input  
Current 27A



MPPT Range  
120 ~ 450VDC



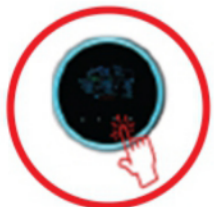
DUAL AC Output  
6000W



120A Max  
Charging Current



Work With &  
Without Battery  
48VDC



Colored LCD  
& Touch Buttons



Smart & Safe



Smart Power  
Management Set  
Multiple Schedule



Monitor & Control  
with Built-in Wifi



Support Parallel  
Operations  
(Upto 9 Units)



(BMS)  
Battery Management  
System



Short-Circuit  
Protection

User programmable RGB lighting for different operations



**Cycling**

Quickly scroll with a colour of your choice in a continuous circular motion



**Wheel**

Illuminates with twinkling lights in a color of your choice



**Chasing**

Radiates your selected color upward from the bottom of the ring



# SolarMax® Orion Dual Series Inverter 6KW

MODEL	SM-ORION-DUAL 6KW
PHASE	1-phase in / 1-phase out
MAXIMUM PV INPUT POWER	7000W
RATED OUTPUT POWER	6000W DUAL
MAXIMUM CHARGING POWER	6000W
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120 VDC / 150 VDC
MPPT Voltage Range	120 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27 A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26.1A
<b>EFFICIENCY</b>	
Maximum Conversion Efficiency (DC/AC)	96%
<b>AC INPUT</b>	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40 A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sinewave
Efficiency (DC to AC)	93%
<b>BATTERY &amp; CHARGER</b>	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12
<b>INTERFACE</b>	
Parallel Function	Yes, 9 units
Communication Port	USB/RS232/RS485/WIFI/Dry-contact

Product specifications are subject to change without further notice.