

6KW SOLAR MPPT INVERTER

DUAL OUTPUT
(PV INPUT 6500W)



Dual Output 6000W
(Normal & Heavy Load)



PV Input
6500W



MPPT Voltage
Range 60-450VDC



Works with & without
Battery



Built-in
Wifi



Built-in
BMS



Status Indication
RGB LED Light



LCD Display &
Function Buttons



Pure Sine
Wave



Short Circuit
Protection

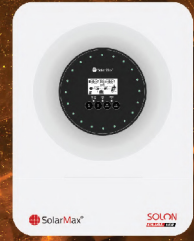
LIFETIME **FREE SERVICE WARRANTY**

2 Years Unlimited Parts Replacement Warranty

*Terms & Conditions Apply

SOLON[®]

Dual Series



MODEL	SM-SOLON-DUAL-6KW
RATED POWER	6000W
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)	230 VAC ± 5%
Surge Power	12000 VA
Efficiency (Peak) PV to INV.	97 %
Efficiency (Peak) Battery to INV.	94%
Waveform	Pure Sine Wave
Transfer Time	10 ms (For Computers), 20 ms (For Home Appliances)
Dual AC Output (Main load & Smart load)	6000W
BATTERY & AC CHARGER	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	61 VDC
Maximum Charge Current	100 A (From Grid)
SOC Display	Shows Battery states in % and voltage as well
Battery Voltage Low Cut Off Schedule	42V ~ 49V
Battery High Voltage Range Selectable	50 ~ 60V
Work without Battery	YES
SOLAR CHARGER	
Maximum PV Array Power	6500W
Maximum PV Array Open Circuit Voltage	500 VDC
MPPT Range @ Operating Voltage	60 ~ 450 VDC
Maximum Charging Current	120A
Maximum Efficiency	98%
INTERFACE	
Communication Interface	Built-in Wifi, RS485 (BMS Compatible with lithium battery using RS-485)
LCD Display	LCD
OPERATING ENVIRONMENT	
Humidity	5% to 90% Relative Humidity (Non-condensing)
Operating Temperature	-10°C - 50°C
Storage Temperature	-15° C to 60° C
PHYSICAL	
Net Weight (kgs)	9KG
Dimension, D x W x H (mm)	125 x 340 x 420