

SOLAR MPPT HYBRID INVERTER

DUAL OUTPUT

3.6KW / 6KW
(PV INPUT 6000)



Dual Output
(Main load & Smart load)



PV Input
6000W



MPPT Voltage
Range **60-450VDC**



Works with & without
Battery



Built-in
Wifi



Built-in
BMS



Real Time
Sharing



Net Metering
Feed into Grid



Status Indication
RGB LED Light



LCD Display &
Function Buttons



Pure Sine
Wave



Short Circuit
Protection

LIFETIME WARRANTY

- 2 Years Unlimited Parts Replacement
- Life time Free Service Warranty

*Terms & conditions apply

SOLON[®]

Dual Series



MODEL	SM-SOLON-DUAL-3.6KW	SM-SOLON-DUAL-6KW
RATED POWER	3600W	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	7200 VA	12000 VA
Waveform	Pure Sine Wave	
Transfer Time	10 ms (For Computers) OR 20 ms (For Home Appliances)	
Dual AC Output (Main load & Smart load)	3600W	6000W
BATTERY & AC CHARGER		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	30 VDC	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	21V-24V	42V-49V
Battery High Voltage Range Selectable	25V-30V	50-60V
Work without Battery	YES	
SOLAR MPPT CHARGE CONTROLLER		
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Array Power	6000W	6000W+
Maximum PV Input Current	27A	
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)	
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		
Dimension, D x W x H (mm)	125 x 340 x 420	
Net Weight (kgs)	8.3KG	9KG