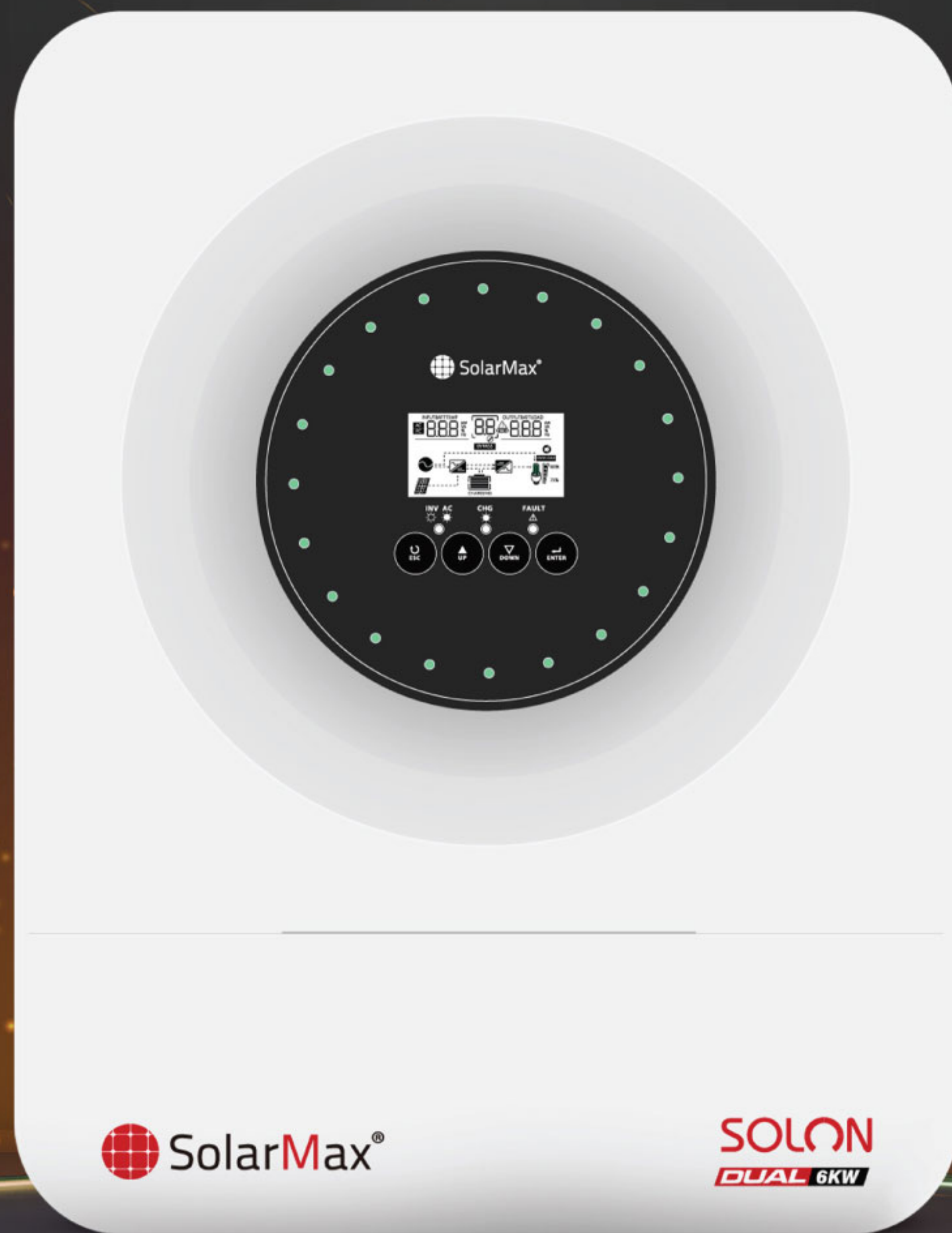


# SOLAR MPPT HYBRID INVERTER

**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<sup>®</sup> Dual Series



MODEL	SM-SOLON-DUAL-3.6KW	SM-SOLON-DUAL-6KW
RATED POWER	3600W	6000W
<b>INPUT</b>		
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)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230 VAC $\pm$ 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
<b>BATTERY &amp; AC CHARGER</b>		
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	
<b>SOLAR MPPT CHARGE CONTROLLER</b>		
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%	
<b>INTERFACE</b>		
Communication Interface	Built-in Wifi, RS485 (BMS Compatible with lithium battery using RS-485)	
Display	LCD	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 90% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C - 50°C	
Storage Temperature	-15° C to 60° C	
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	125 x 340 x 420	
Net Weight (kgs)	8.3KG	9KG