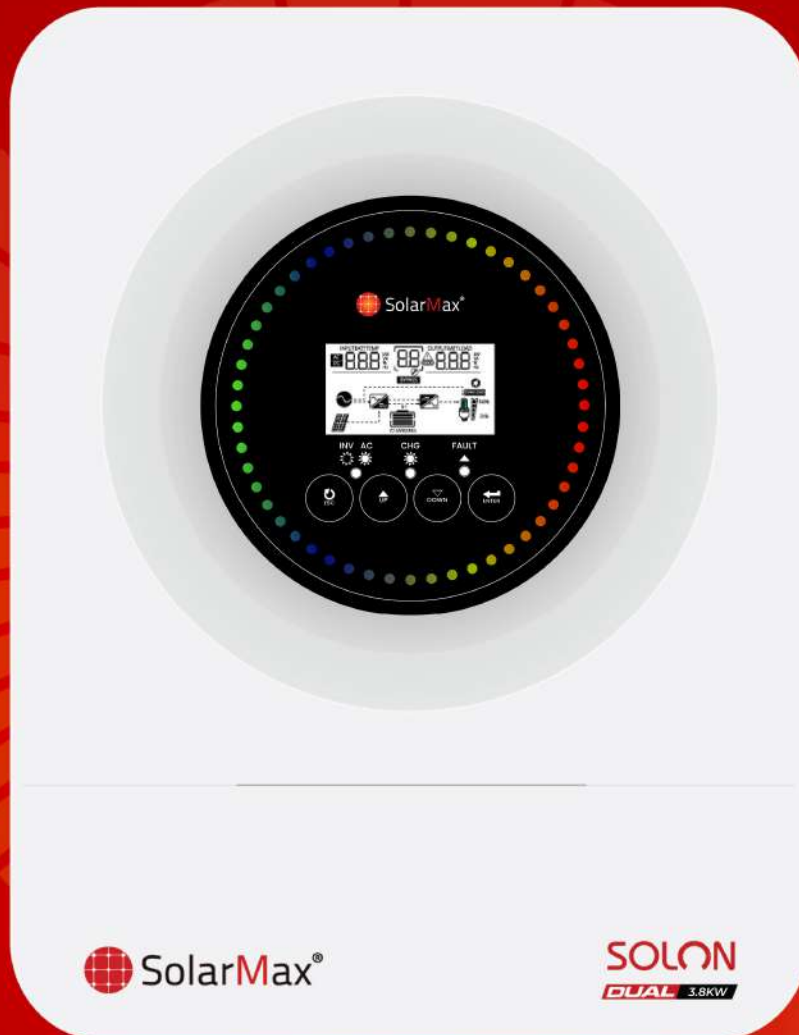


SOLAR HYBRID INVERTER

DUAL OUTPUT 3.8KW (PV5000W)



BUILT IN
WIFI



PV INPUT
5KW



MPPT VOLTAGE
RANGE 60-450VDC



WORKS WITH &
WITHOUT BATTERY



STATUS INDICATION
RGB LED LIGHT



DUAL OUTPUT
MAIN & SMART LOAD



PURE SINE
WAVE



OVER LOAD
PROTECTION



SHORT CIRCUIT
PROTECTION



BUILT IN
BMS

SOLON[®]

Dual Series



MODEL	SM-SOLON-DUAL-3.8KW
RATED POWER	3800W
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 $\pm$ 5%
Surge Power	7600 VA
Waveform	Pure Sine Wave
Transfer Time	10 ms (For Computers) OR 20 ms (For Home Appliances)
Dual AC Output (Main load & Smart load)	3800W
BATTERY & AC CHARGER	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	30 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
Battery High Voltage Range Selectable	25V-30V
Work without Battery	YES
SOLAR MPPT CHARGE CONTROLLER	
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	5000W
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)	8.84KG