

# 3.8KW SOLAR MPPT INVERTER

DUAL OUTPUT  
(PV INPUT 6000W)



Dual Output 3800W  
(Normal & Heavy Load)



PV Input  
6000W



MPPT Voltage  
Range 60-450VDC



Works with & without  
Battery



Built-in  
Wifi



Built-in  
BMS



Status Indication  
RBG LED Light



LCD Display &  
Function Buttons



Pure Sine  
Wave



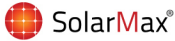
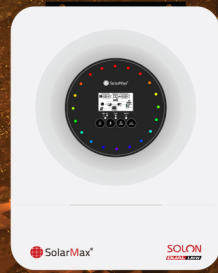
Short Circuit  
Protection

LIFETIME **FREE SERVICE WARRANTY**

2 Years Unlimited Parts Replacement Warranty

\*Terms & Conditions Apply

# SOLON<sup>®</sup> Dual Series



MODEL		SM-SOLON-DUAL-3.8KW
RATED POWER		3800W
<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		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
<b>BATTERY &amp; AC CHARGER</b>		
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
<b>SOLAR MPPT CHARGE CONTROLLER</b>		
Maximum PV Array Open Circuit Voltage		500 VDC
Maximum PV Array Power		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)		8.84KG