



SOL1 ECO
SOLAR INVERTER

EM-5548 S1-ECO

 Power Factor 1	 Max PV Array 5500VA/5500W	 MMPT Range 60-450VDC	 Solar Charge Current 100 A				
 Lithium Compatible	Yes	 Wifi	Optional	 Detachable Screen	No	 Parallel Function	No

Special Features :



MPPT
Pure sine wave MPPT solar inverter
Bulit-in 80/100A MPPT solar charger



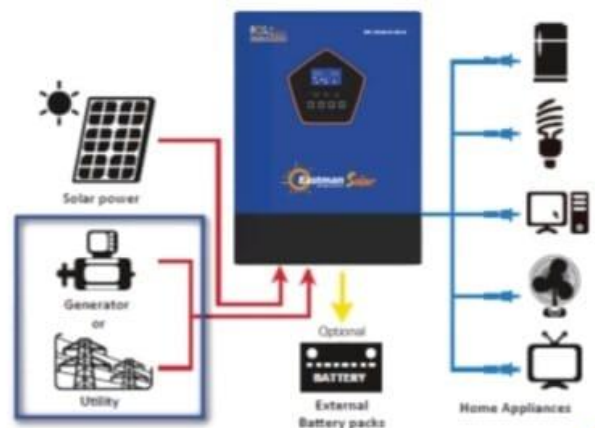
Battery
Battery equalization function extend lifecycle
Reserved communication port(RS485,CAN)for BMS



OFF-Grid
SOL1-ECO series is suitable for
off-grid applications.



Easy access
High PV input voltage range
With touch buttons





TECHNICAL SPECIFICATIONS

MODEL	EM-5548 S1-ECO	
Rated Power	5500VA/5500W	
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50/60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Battery Mode)	230VAC 3 5%	
Surge Power	11000VA	
Efficiency (Peak)	93%	
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)	
Wave Form	Pure sine wave	
BATTERY		
Battery Voltage	48VDC	
Floating Charge Voltage	54VDC	
Overcharge Protection	63VDC	
SOLAR CHARGER AC CHARGER		
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum PV Array Power	5500W	
MPPT Range Operating Voltage	60-450VDC	
Maximum Solar Charge Current	100A	
Maximum AC Charge Current	100A	
Maximum Charge Current	100A	
GENERAL PARAMETERS		
Operation Temperature	-10°C to 50°C	
Relative humidity	5% to 95% Relative Humidity (Non-condensing)	
Dimensions D x W x H(mm)	400*300*115	
Net Weight(KG)	9.5	
DISPLAY AND COMMUNICATION		
Communication Interface	Standard:RS232 ; CAN&RS485	
Safety standard	EN/IEC62109-1,EN/IEC62109-2	

Product specification are subject to change without prior notice.