



The **WISE** Choice



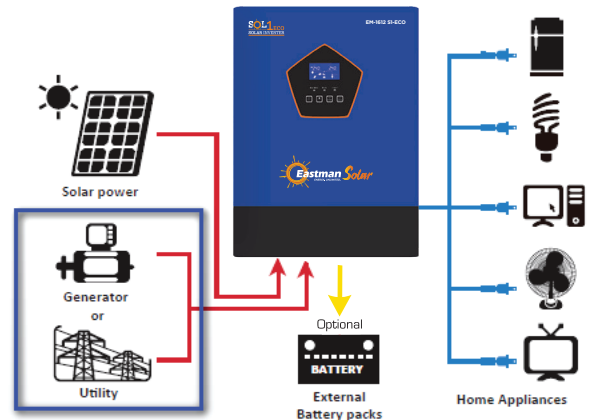
**SOL1 ECO**  
SOLAR INVERTER

EM-1612 S1-ECO

Power Factor 1	Max PV Array 2000W	MPPT 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-1612 S1-ECO	
Rated Power	1600VA/1600W	
<b>INPUT</b>		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC (For Personal Computers); 90-280 VAC (For Home Appliances)	
Frequency Range	50/60Hz (Auto Sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Battery Mode)	230VAC $\pm$ 5%	
Surge Power	3200VA/3200W	
Efficiency (Peak)	93%	
Transfer Time	10ms (For Personal Computers); 20ms (For Home Appliances)	
Wave Form	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	12VDC	
Floating Charge Voltage	13.5VDC	
Overcharge Protection	16.5VDC	
<b>SOLAR CHARGER AC CHARGER</b>		
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum PV Array Power	2000W	
MPPT Range Operating Voltage	60-450VDC	
Maximum Solar Charge Current	100A	
Maximum AC Charge Current	80A	
Maximum Charge Current	100A	
<b>GENERAL PARAMETERS</b>		
Operation Temperature	-10°C to 50°C	
Relative Humidity	5% to 95% Relative Humidity (Non-condensing)	
Dimensions D x W x H(mm)	335*225*105	
Net Weight(KG)	5	
<b>DISPLAY AND COMMUNICATION</b>		
Communication Interface	Standard:RS232 ; CAN&RS485	
Safety Standard	EN/IEC62109-1,EN/IEC62109-2	

Product specification are subject to change without prior notice.