















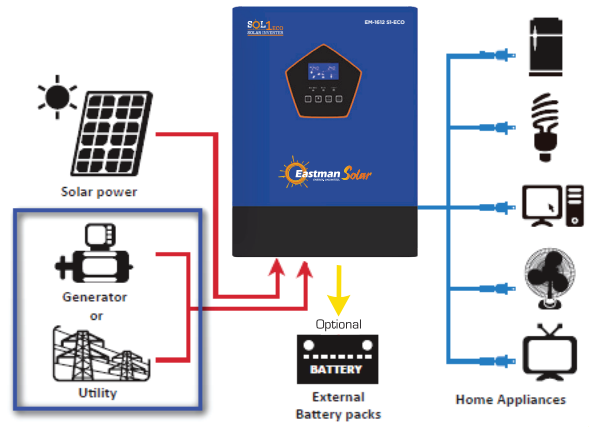
SOL1^{ECO}
SOLAR INVERTER

EM-1612 S1-ECO

 Power Factor 1	 Max PV Array 1600VA/1600W	 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-1612 S1-ECO
Rated Power	1600VA/1600W	
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 \pm 5%	
Surge Power	32000VA	
Efficiency (Peak)	93%	
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)	
Wave Form	Pure sine wave	
BATTERY		
Battery Voltage	12VDC	
Floating Charge Voltage	13.5VDC	
Overcharge Protection	16.5VDC	
SOLAR CHARGER AC CHARGER		
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	
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)	335*225*105	
Net Weight(KG)	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.