











HYBRID INVERTER

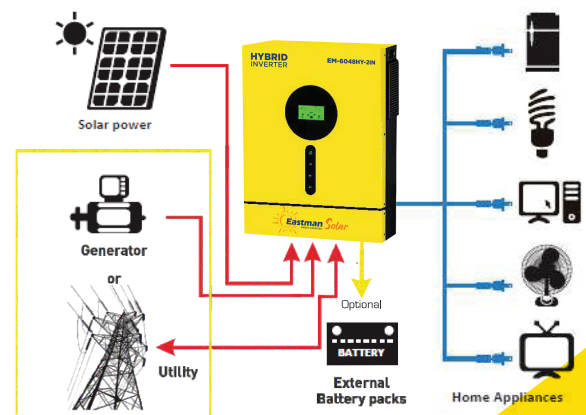
EM-6048HY-2IN



 Power Factor 1	 Max PV Array 6000 W	 MPPT Range 60~450 VDC	 Solar Charge Current 120 A				
 Lithium Compatible	Yes	 Wifi	Built-in	 Detachable Screen	No	 Parallel Function	No

Special Features:

- Comply with Grid-Interconnection regulation
 - Two independent AC power sources connected and switched automatically
 - Output power factor 1
 - Maximum PV input current
 - Wide PV input voltage range 60VDC ~450VDC
 - Battery independent design
 - Built in MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle.





SPECIFICATION

MODEL	EM-6048HY-2IN
RATED POWER	6000VA/6000W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%
Surge Power	12000VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	6000W
Maximum PV Input Current	27A
MPP Range @ Operating Voltage	60-450 VDC
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
PHYSICAL	
Dimension, D x W x H (mm)	107 x 322.6 x 420.3
Net Weight (kgs)	10.5
Communication Interface	Wi-Fi, BMS
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
STANDARD	
Compliance Safety	CE, NRS 097-2-1:2017

Product specifications are subject to change without further notice.