

The **WISE** Choice



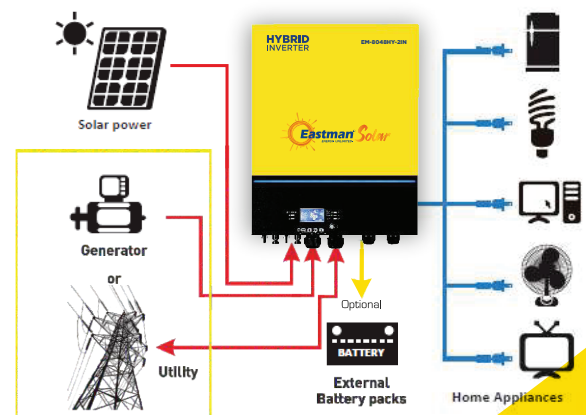
HYBRID INVERTER EM-8048HY-2IN



Power Factor 1	Max PV Array 8000 W	MPPT Range 90~450 VDC	Solar Charge Current 120 A
Lithium Compatible	Yes	Wifi	Built-in
Detachable Screen	Yes	Parallel Function	Yes upto 6 units

Special Features:

- Status indication with RGB lights
- Maximum PV input current 27A
- Two independent AC power sources connected and switched automatically
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Supports USB On-the-Go function • Replaceable fan design for ease of maintenance
- Battery independent design • Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current • Selectable input voltage range for home appliances and personal computers
- Built-in anti-dust kit • Parallel operation with 6 units





SPECIFICATION

MODEL	EM-8048HY-2IN
Rated Inverter Power	8000VA/8000W
Parallel Capability	YES, 6 units
GRID-TIE OPERATION	
Feed-in Grid Voltage Range	195.5-253 VAC
Feed-in Grid Frequency Range	47-52Hz
Nominal Output Current	34.8A
Power Factor Range	>0.99
Maximum Conversion Efficiency (DC/AC)	0.95
OFF-GRID, HYBRID OPERATION (Utility & Generator Power)	
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	16000VA
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	66 VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	8000W (4000W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	27A x 2(MAX 40A)
Maximum Solar Charge Current	120A
Maximum AC Charge Current	120A
Maximum Charge Current	120A
PHYSICAL	
Dimension, D X W X H (mm)	147.4x 432.5 x 553.6
Net Weight (kgs)	18.4
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact
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