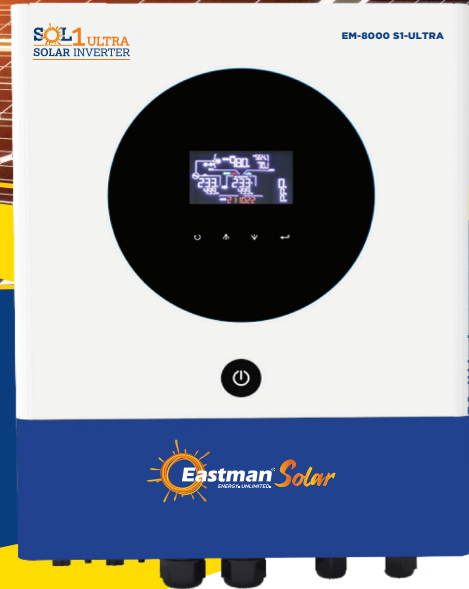




The **WISE** Choice

SOL1 ULTRA
SOLAR INVERTER

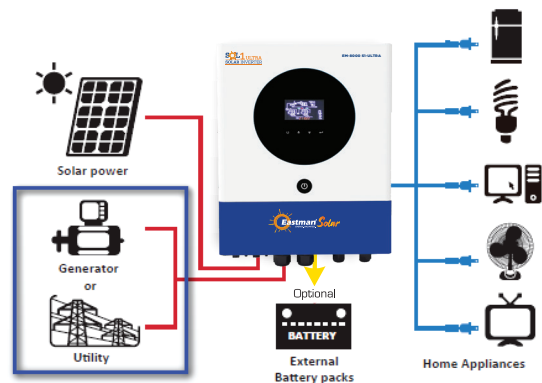
EM-8000 S1-ULTRA



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	No	Parallel Function	Yes up to 6 units

Special Features :

- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Reserved communication port for BMS
- Replaceable fan design for ease of maintenance
- Battery independent design
- Built-in anti-dust kit
- Selectable input voltage range for home appliances and personal computers
- Selectable high power charging current
- Configurable AC/PV output usage timer and prioritization
- Parallel operation with 6 units





TECHNICAL SPECIFICATIONS

MODEL	EM-8000 S1-ULTRA
Rated Power	8000VA/8000W
Parallel Capability	YES, 6 units
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	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	60 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	8000W (4000W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum Solar Charge Current	120A
Maximum AC Charge Current	120A
Maximum Charge Current	120A
PHYSICAL	
Dimension D x W x H (mm)	147.4 x 432.5 x 553.6
Net Weight (kgs)	18
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

*Product specification are subject to change without prior notice.