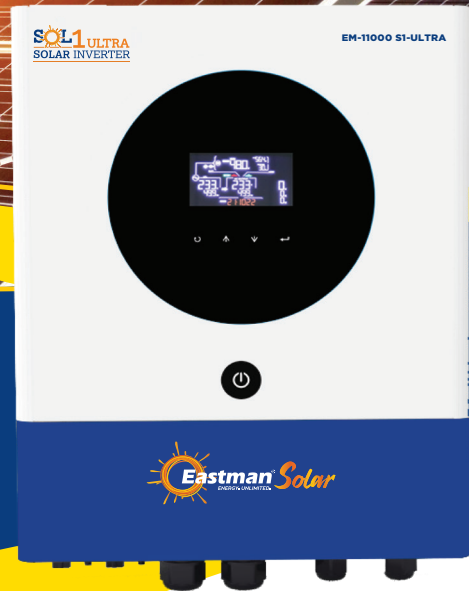




The **WISE** Choice

**SOL1 ULTRA**  
SOLAR INVERTER

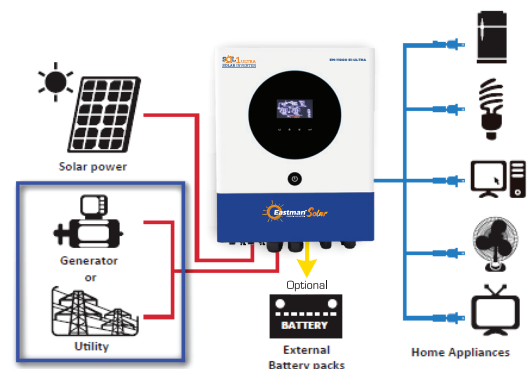
**EM-11000 S1-ULTRA**



<b>Power Factor 1</b>	<b>Max PV Array 11000 W</b>	<b>MPPT Range 90~450 VDC</b>	<b>Solar Charge Current 150 A</b>
<b>Lithium Compatible</b> <b>Yes</b>	<b>Wifi</b> <b>Built-in</b>	<b>Detachable Screen</b> <b>No</b>	<b>Parallel Function</b> <b>Yes up to 6 units</b>

## 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
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Parallel operation with 6 units
- Supports USB On-the-Go function





## TECHNICAL SPECIFICATIONS

MODEL	EM-11000 S1-ULTRA
Rated Power	11000VA/11000W
Parallel Capability	YES. 6 units
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Surge Power	22000VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)
Waveform	Pure sine wave
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	60 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger Type	MPPT
Maximum PV Array Power	11000W (5500Wx2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum Solar Charge Current	150A
Maximum AC Charge Current	150A
Maximum Charge Current	150A
<b>PHYSICAL</b>	
Dimension D x W x H (mm)	152.4 x 420 x 561.6
Net Weight (kgs)	18
Communication Interface	USB/RS232/RS485/WiFi/Bluetooth
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
<b>STANDARD</b>	
Compliance Safety	CE

\*Product specification are subject to change without prior notice.