



MaxPRO
5.6
OFF-GRID
INVERTER

ES-5648 MP



**Lithium-Ion
Battery Compatible**



**Reserved Communication
Port For BMS**



**Output
Power Factor 1**



**Maximum PV Array
Open Circuit 500 VDC**



**Maximum PV
Array Power 6000 W**



**Maximum Solar
Charge Current 120A**

**User-programmable RGB
lighting for different operation mode**



Three lighting effects

Chasing

Radiates your selected color upward from the bottom of the ring

Cycling

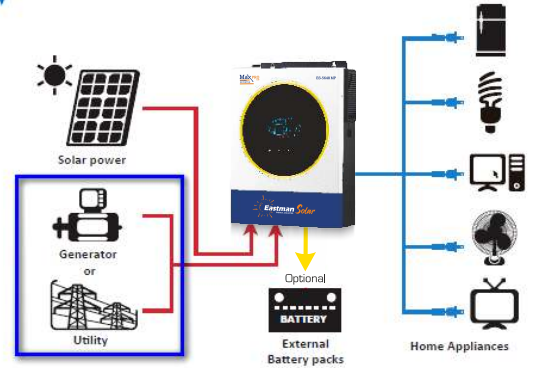
Quickly scrolling with a color of your choice in a continuous circular motion

Wheel

Illuminates with twinkling lights in a color of your choice

Special Features :

- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Built-in Wifi for mobile monitoring (Android & IOS App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS
- Battery independent design
- Battery equalization extends lifecycle
- User-friendly LCD operation
- Enhanced charging power
- Built-in-anti-dust kit



OFF-GRID INVERTER

MODEL	ES-5648 MP
Rated Power	5600VA/5600W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280VAC (For Home Appliances)
Frequency Range	50Hz / 60Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Surge Power	11200VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	15 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 Power	6000W
MPPT Range @ Operating Voltage	120 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum Solar Charge Current	120 A
Maximum AC Charge Current	100 A
Maximum Charge Current	120 A
PHYSICAL	
Dimension, D x W x H (mm)	115 x 300 x 400
Net Weight (kgs)	10.0
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

Product specification are subject to change without prior notice.