



SOHO INVERTER

Pure sine wave

600VA – 1500VA



FEATURES

Pure Sine Wave Inverter

Suitable for devices with high power quality requirements, such as sensitive home appliances and computers.

4-Stage Voltage Regulation

Ensuring stable output voltage across different input voltage ranges.

Selectable Input Voltage Range

Adapting to different grid conditions in various regions or usage environments.

Selectable Battery Types provide users with greater flexibility

Compatible with various battery types, including gel batteries, lead-acid batteries, and water batteries.

Compatible with Grid Voltage and Generator Power

Offering a flexible choice of power sources.

Automatic Startup on Mains Return

Automatically detect mains power return and initiate operation, ensuring a quick switch to backup power after a power outage.

Overload and Short Circuit Protection

Effectively safeguarding devices from potential electrical issues.

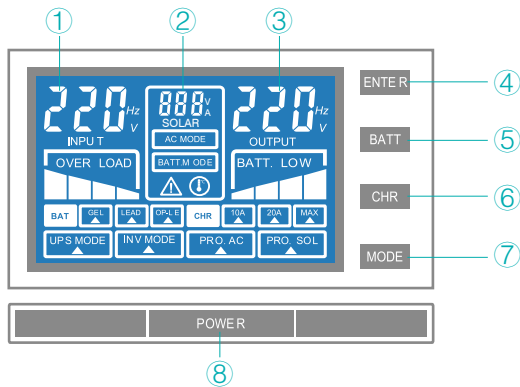
Intelligent Battery Charger Design

Optimizes battery performance, extending the overall battery lifespan.

Cold Start Function

Enhancing capability to handle emergency situations.

INTRODUCTION



- ① Input voltage
- ② Inbuilt solar charging current
- ③ Output voltage
- ④ Confirm button
- ⑤ Battery type selection
- ⑥ Charging current selection
- ⑦ Mode selection
- ⑧ ON/OFF switch/PRO selection

1. Press BATT to select the GEL/LEAD/OP-LE battery and press ENTER to confirm.
2. Press CHR to select 10A/20A Max AC charge current and press ENTER to confirm.
3. Press MODE to select INV MODE 100VAC-290VAC or UPS MODE 145VAC-275VAC and press ENTER to confirm.

SPECIFICATIONS

Model	MR-UT600	MR-UT800	MR-UT1000	MR-UT1200	MR-UT1500
Capacity	600VA / 500W	600VA / 640W	1000VA / 800W	1200VA / 1000W	1500VA / 1200W
Power Factor	0.8				
INPUT					
Voltage Range	145 – 270VAC ± 5 VAC (UPS. mode); 100 – 290VAC ± 5VAC (INV. mode)				
Frequency Range	45 – 65Hz				
OUTPUT					
Voltage Range (AC Mode)	203 – 238VAC ± 5VAC (UPS. mode); 150 – 255VAC ± 5VAC (INV. mode)				
Voltage Range (Batt. Mode)	220 ± 5VAC				
Frequency	50 ± 0.5Hz				
Waveform	Pure sine wave				
Transfer Time	< 10ms				
BATTERY					
Battery Type	GEL / Sealed lead-acid / Open lead-acid				
Nominal Voltage	12VDC				
Charging Current (Max.)	10A / 20A (selectable)				
PHYSICAL					
Dimension, D*W*H (mm)	290 * 257 * 123				
Weight (kg)	7.6	9.8	10.8	12.2	13.8
ENVIRONMENT					
Temperature	0 – 40°C				
Humidity	20%~90% (no condensing)				
Audible Noise	< 40dB (1m)				

Specifications are subject to change without notice, and all product drawings are for reference only. Consult MARSRIVA for the latest design and specifications.