

说明书尺寸： 420 x 250mm 单色 双面印刷 120g书纸，三折页(风琴折)

SPECIFICATION

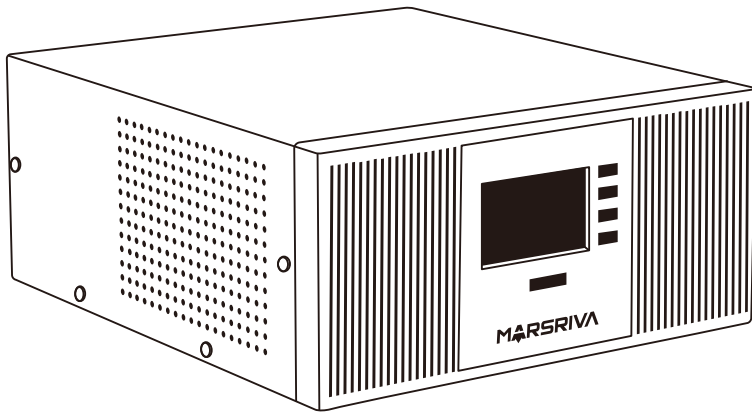
| Model                           | MR-UT600                                                         | MR-UT800     | MR-UT1000     | MR-UT1200      | MR-UT1500      |
|---------------------------------|------------------------------------------------------------------|--------------|---------------|----------------|----------------|
| Capacity                        | 600VA / 500W                                                     | 800VA / 640W | 1000VA / 800W | 1200VA / 1000W | 1500VA / 1200W |
| Nominal battery voltage         | 12VDC                                                            |              |               |                | 24VDC          |
| Input voltage range             | UPS mode: 145VAC – 270VAC ±5VAC, INV mode: 100VAC – 290VAC ±5VAC |              |               |                |                |
| Input frequency                 | 45Hz – 65Hz                                                      |              |               |                |                |
| Output voltage (AC mode)        | UPS mode: 203VAC – 238VAC ±5VAC, INV mode: 150VAC–255VAC ±5VAC   |              |               |                |                |
| Output voltage (battery mode)   | 220VAC ± 5VAC                                                    |              |               |                |                |
| Output frequency (battery mode) | 50Hz ± 0.5Hz                                                     |              |               |                |                |
| Transfer time                   | <10ms                                                            |              |               |                |                |
| Charging current (max)          | 10A / 20A (selectable)                                           |              |               |                |                |
| Output Waveform (battery mode)  | Pure sine wave                                                   |              |               |                |                |
| Unit dimension (mm)             | 290 x 257 x 123                                                  |              |               |                |                |
| Operating temperature           | 0°C – 40°C                                                       |              |               |                |                |
| Humidity                        | 20% to 90% (non condensing)                                      |              |               |                |                |

TROUBLE SHOOTING

| Problem                                                                               | Possible Causes                                                                                                | Action to take                                                                                                                                                                   |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inverter no reaction while AC is connected                                            | 1. Line cord plug is loose.<br>2. Breaker broken.<br>3. Dead wall socket.                                      | 1. Check the line cord plug.<br>2. Replace the breaker.<br>3. Check wall socket with a table lamp.                                                                               |
| Power output is normal, inverter emits continuous beep, Load level indicator flickers | Inverter is overloaded                                                                                         | Turn off inverter and unplug excessive loads from inverter.                                                                                                                      |
| Inverter does not provide expected run time.                                          | 1. Excessive loads connected at inverter's outlets.<br>2. Battery is weak and can not provide enough.          | Do not operate the inverter.<br>Leave the inverter plugged in for 10 hours. Then test it again. If inverter still can not provide expected run time, battery should be replaced. |
| Button on front panel doesn't work.                                                   | 1. The CPU inside inverter is not running correctly.<br>2. Button damaged.                                     | Unplug line cord and battery cord from the inverter to let it shutdown automatically, and plug line cord and battery cord again, if button still fails, please call for service. |
| Inverter emits urgent beep, Battery capacity indicator flickers                       | The CPU inside inverter is not running correctly.<br>Button damaged.                                           | 1. Charge batteries.<br>2. Replace batteries.<br>3. Call for service.                                                                                                            |
| Inverter cannot DC start                                                              | 1. Battery polarity wrong.<br>2. Battery wrong (over voltage).<br>3. Battery exhaustion.<br>4. Inverter fault. | 1. Check battery and connection.<br>2. Check battery voltage by voltage meter.<br>3. Connect AC power cord to charge the battery.<br>4. Call for service.                        |

MARSRIVA

User Manual  
SOHO Inverter  
(600VA-1500VA)



Please read and save this manual!  
This manual is important instruction that you should follow during installation and maintenance of the inverter. Please read all instructions before operating the equipment and save this manual for future reference.

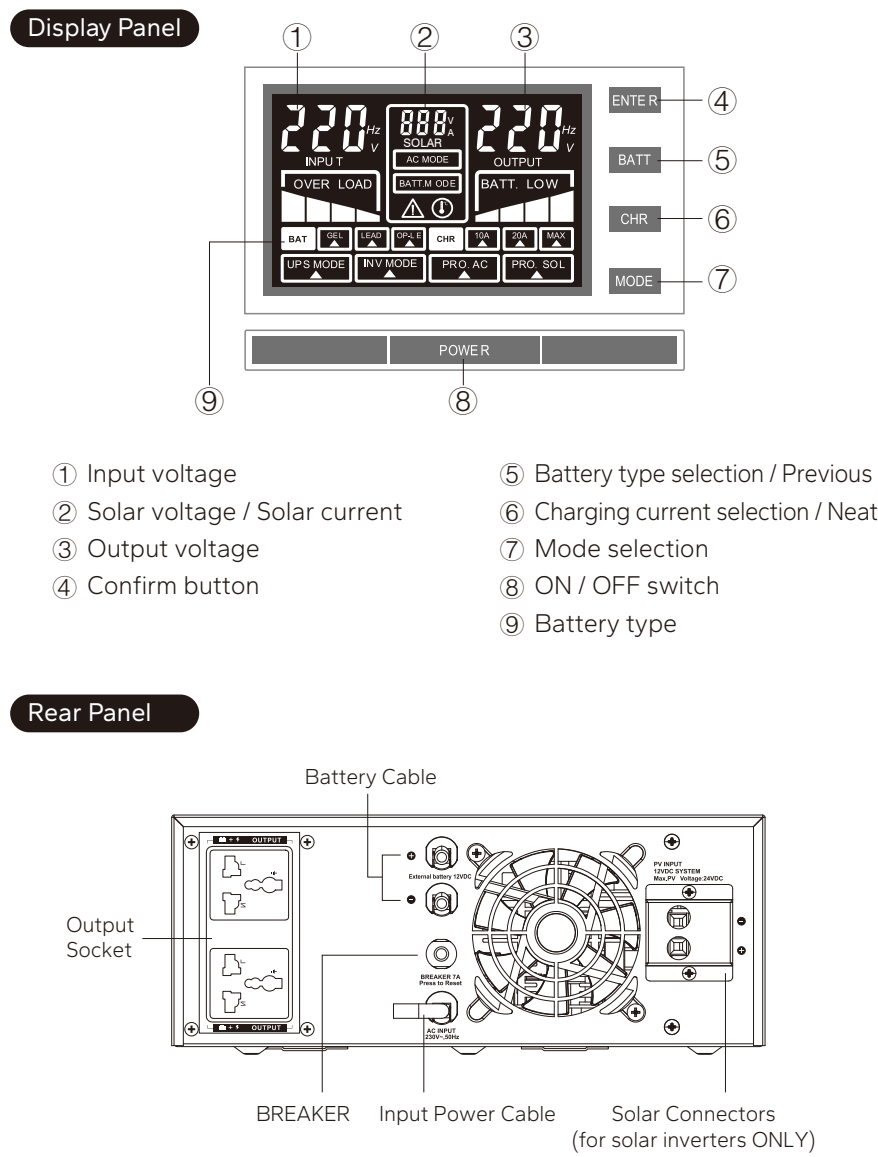
INTRODUCTION

This is an advanced sine wave inverter which provides pure sine wave power to your equipment. Unlike the traditional off-line inverter, this series also provides low harmonic distortion and has a very short transfer time when blackouts occur. It provides an efficiency over 98% under normal power condition. It contains three stage intelligent battery charger to maintain the batteries in best condition.

MAIN FEATURES

- Pure sine wave output.
- Real time auto-detection for battery condition.
- Microprocessor based design.
- Protection for overload, short circuit, & over temp.
- Smart charging.
- Isolation between battery and AC utility.
- Speed control for cooling fan.
- Outstanding dynamic performance.

DESCRIPTION OF APPEARANCE



OPERATION

①. External battery operating procedures

- Please follow the parameter table, series battery and ensure proper battery voltage first.
- Red battery cable connects to positive and blue cable for negative Battery cable and polarity must be connected securely. Do not short the positive and negative of the battery electrode or joint reversely.
- When connecting the battery cable, occurrence of spark in the joints is normal phenomenon.

②. Operation Modes

- Press "POWER" for 3 seconds to turn on or turn off the inverter. Double press "POWER" fast to select "PRO AC" (AC preferred) or "PRO SOL" (solar preferred). Default = PRO AC. If "PRO AC" is selected, the inverter will be powered by AC after it's fully charged. If "PRO SOL" is selected, solar charging will be used as long as it is there. However this may reduce the battery life due to frequent charging and discharging.
- << How to settle "BATT"  
Press 'BATT' and ▲ flashes. Keep on pressing it till it reaches the battery type you choose, then press 'ENTER' to set it up. Battery type includes 'AGM/GEL' (Suitable for AGM, Gel or Lead-Acid battery), 'LiFePO4' (Suitable for LiFePO4 battery) and 'OP-LI' (Suitable for open lead acid battery).
- << How to settle "CHR"  
Press "CHR" and ▲ flashes. Keep on pressing it till it reaches the charging current you want, then press "ENTER" to set it up. You can choose 10A or 20A for standard models. "MAX" is only available for special designed models.
- << How to settle "MODE"  
Press "MODE" and you will see ▲ flashes in turns between "UPS MODE" and "INV MODE" keep on pressing it till it reaches the mode you need, then press "ENTER" to set it up.
- Press "ENTER" about 4 seconds to enter Advanced Menu  
The first page is to select the battery voltage of turning off. There are options of 10.0V,10.5V, 10.8V,11.1V,11.5V,12V,12.2V and 12.5V . Press 'BATT' to previous option, press 'CHR' to next option, and then Press 'ENTER' to select the option temporarily and turn to next page.  
The second page is to select 'battery high shift to backup' when solar available and user selected 'PRO SOL' (solar preferred). There are options of 13.6V,13.7V, 13.8V,13.9V and ful.  
The third page is to select the battery low shift back to utility, when solar available and user selected 'PRO SOL' (solar preferred). There are options of 11.4V,11.6V, 11.8V,12V,13.3V,13.4V and 13.5V.  
The fourth page is to select the preferred mode, There are options of 'PRO AC' (AC preferred) or 'PRO SOL' (solar preferred).If 'PRO AC' is selected, the inverter will be powered by AC after it's fully charged.  
The fifth page is confirmation page, select 'YES' to confirm the selection of previous 4 pages, select 'NO' to cancel.

IMPORTANT SAFETY INSTRUCTIONS

- When replacing the batteries, use the same number and the same type of batteries.
- Do not dispose of batteries in a fire; the battery may explode.
- Do not open or mutilate the battery or batteries, released electrolyte is harmful to the skin and eyes.
- A battery can present a risk of electric shock and high short circuit current. The following precaution should be observed when working on batteries.
- Remove watches, rings or other metal objects.
- Use tools with insulated handles.
- The equipment can be operated by any individuals with no previous experience.
- The socket-outlet shall be installed near the equipment and easily accessible.
- Attention: hazardous through electric shock. Also, with disconnection of this unit from the main, hazardous voltage still may be accessible through supply of battery.
- The battery supply should be therefore disconnected in the plus and minus pole through or from the outer enclosure accessible battery fuses when maintenance or service work inside the inverter is considered.
- The lead acid battery may cause chemical hazard.
- The battery presents a risk of electric shock and energy hazard.
- Batteries will be disposed by the manufacturer or importer. Customers need to send them back with no charge for disposal.

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Specifications are subject to change without notice, all product drawings are for reference only.