

# High Frequency Power Inverter/Charger

## EP1500 PLUS Series (600W)



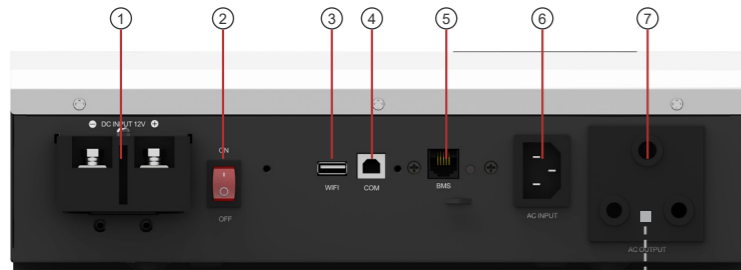
### Features

- Pure sine wave inverter
- Double layers PCB board.
- Support two kinds of batteries include 4 series LiFePO4 Lithium Battery Pack and Lead-acid Battery.
- Auto restart while AC recovery
- Different charging mode for different kinds of batteries
- Overload & short-circuit protection, Battery Low Voltage Protection & Over Voltage Protection, Deep discharge protection
- Advanced technology optimizes battery life
- Automatic line-to-battery switch over
- Automatic activate lithium battery pack which is be over discharged no output when AC input is OK

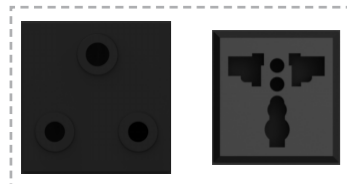
### Introduction

EP1500 PLUS Series is a pure sine wave inverter applied to TV, stereos, laptops, and desktop computers and other home appliances. It will automatically switch to inverter and provide power when AC is interrupted unexpectedly. It's perfect for the user who need a simple and economical inverter, with user-friendly installation and setting.

### Back panel printing description

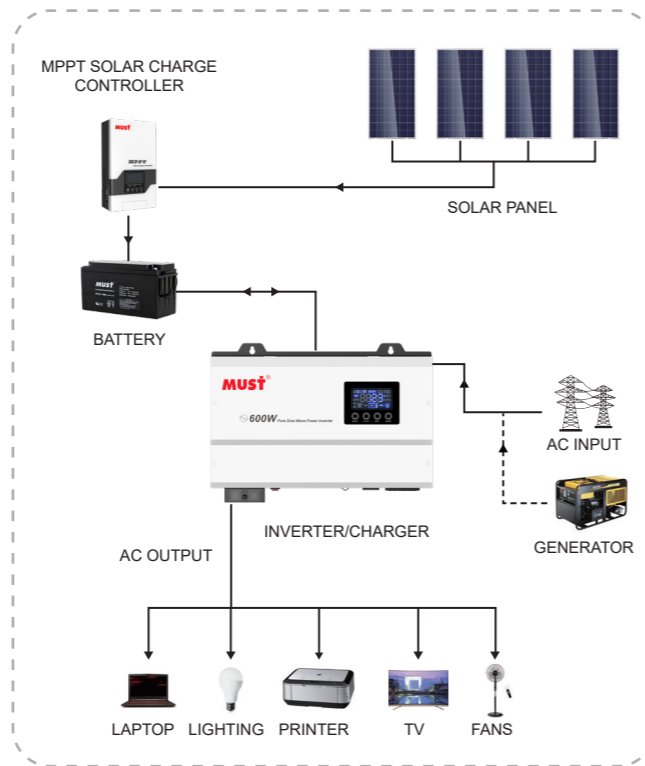


1. DC Input
2. ON / OFF
3. USB-A WIFI communication
4. USB-B PC communication
5. RJ11 BMS Li battery Pack communication (optional)
6. AC Input
7. Output Socket (s)



AC Output Socket types

### Solar system connection



### Specification

| MODEL   |                                 | EP15-0612 PLUS                 |             |
|---|---------------------------------|--------------------------------|-------------|
| Nominal Battery System Voltage  |                                 | 12VDC                          |             |
| INVERTER OUTPUT   | Rated Power                     | 600VA / 600W                   |             |
|   | Waveform                        | Pure Sine Wave                 |             |
|   | Nominal Output Voltage RMS      | 230VAC                         |             |
|   | Output Voltage Regulation       | +10/-18%                       |             |
|   | Output Frequency                | 50Hz/60Hz ±1Hz                 |             |
|   | Inverter Efficiency (Peak)      | >90%                           |             |
|   | Line Mode Efficiency            | >95%                           |             |
|   | Typical Transfer Time           | Typical <10ms, 15ms max        |             |
| AC INPUT  | Voltage                         | 230VAC                         |             |
|   | Voltage Range                   | 184~278VAC ±3%                 |             |
|   | Frequency Range                 | 45-65Hz ±2Hz                   |             |
| <b>Note: Below Parameters (PB) Lead-acid Battery / (LI) 4 series LiFePO4 Lithium Battery Pack</b> |                                 |                                |             |
| BATTERY   | Nominal Input Voltage           | 12VDC                          |             |
|   | Low Battery Cutoff              | 10.5VDC(PB)                    | 11.5VDC(LI) |
|   | Low Battery Alarm               | 11.0VDC(PB)                    | 12.0VDC(LI) |
|   | Low Battery Voltage Recover     | 12.5VDC(PB)                    | 12.8VDC(LI) |
|   | High Voltage Alarm              | 14.5VDC(PB)                    | 14.3VDC(LI) |
|   | High Battery Voltage Recover    | 15.0VDC(PB)                    | 14.8VDC(LI) |
|   | CHARGER                         | Charger Voltage Boost          | 14.4VDC(PB) |
| Charger Voltage Standby   |                                 | 13.8VDC(PB)                    | 14.4VDC(LI) |
| Charging Current  |                                 | 10A/15A ±2A @ 12V              |             |
|   | Overcharge Protection S.D.      | 15.5VDC                        |             |
| BYPASS & PROTECTION   | Nominal Input Frequency         | 50Hz/60Hz (auto detection)     |             |
|   | Overload Protection (SMPS Load) | FUSE                           |             |
|   | Output Short Circuit Protection | 7A                             |             |
|   | Bypass Fuse Rating              | 7A                             |             |
|   | Max Bypass Current              | 7A                             |             |
| MECHANICAL SPECIFICATIONS   | Machine Dimension (W*H*D)       | 320*231*96mm                   |             |
|   | Package Dimension (W*H*D)       | /                              |             |
|   | G.W                             | /                              |             |
|   | N.W                             | /                              |             |
| OTHER   | Operation Temperature Range     | 0°C to 40°C                    |             |
|   | Audible Noise                   | 60dB MAX                       |             |
|   | Display                         | LED Screen                     |             |
|   | Standard Warranty               | 1 year                         |             |
|   | Communication                   | PC \ WIFI \ BMS (BMS optional) |             |