

# High Frequency Power Inverter/Charger

## EP1500 PLUS Series (600W)



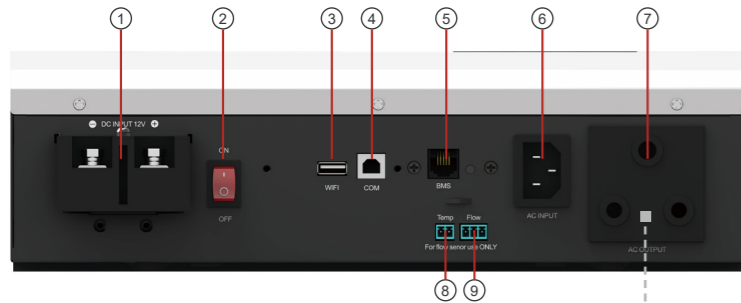
### Features

- Rated power 600W
- Pure sine wave inverter
- Double layers PCB board.
- Support two kinds of batteries include 4 series LiFePO4 Lithium Battery Pack and Lead-acid Battery.
- 3 steps charging algorithm
- Auto restart while AC recovery
- 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

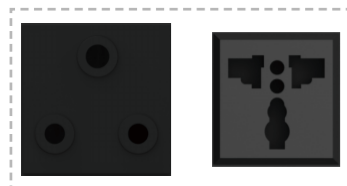
### Introduction

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

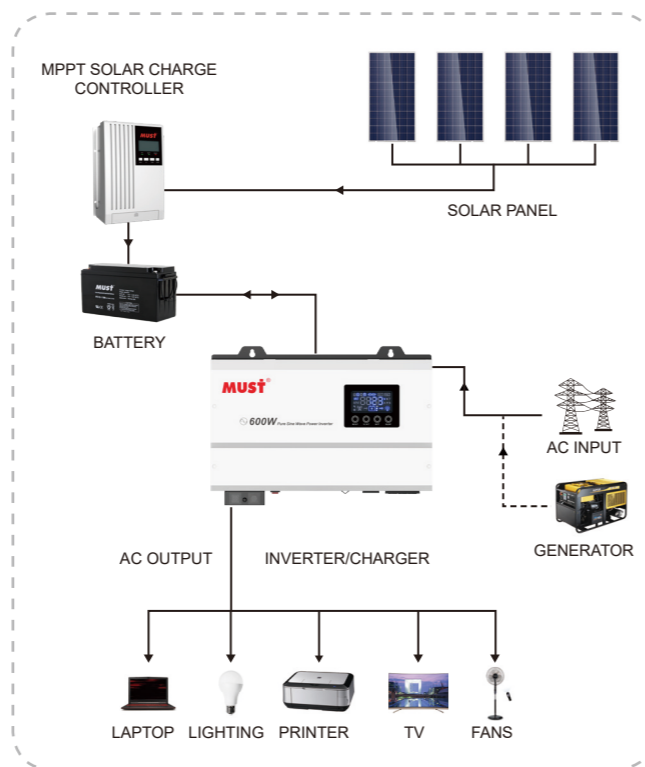


1. DC Input
2. ON / OFF
3. USB-A WIFI communication
4. USB-B PC communication
5. RJ11 BMS Li battery Pack communication (optional)
6. AC Input
7. Output Socket (s)
8. Outside water temperature sensor (optional)
9. Outside water switch sensor (optional)



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 ±1Hz	
	Inverter Efficiency (Peak)	>90%	
	Line Mode Efficiency	>95%	
	Typical Transfer Time	<10ms typical, 15ms max	
AC INPUT	Voltage	230VAC	
	Voltage Range	184~278VAC	
	Frequency Range	50Hz ±10%	
<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	14.7VDC(PB)	14.5VDC(LI)
	High Battery Voltage Recover	15.0VDC(PB)	14.8VDC(LI)
CHARGER	Boost Voltage (Vbat<12.5V)	14.2VDC(PB)	14.2VDC(LI)
	Float Voltage (Vbat>12.5V)	13.8VDC(PB)	14.2VDC(LI)
	Charging Current	15A±2A @ 12V	
	Overcharge Protection S.D.	15.5VDC	
BYPASS & PROTECTION	Nominal Input Frequency	50Hz	
	Overload Protection (SMPS Load)	FUSE	
	Output Short Circuit Protection	10A	
	Bypass Fuse Rating	10A	
	Max Bypass Current	10A	
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D) (mm)	320*231*96	
	Shipping Dimensions (W*H*D) (mm)	415*280*166	
	Shipping Weight (kg)	3	
OTHER	Operation Temperature Range	0°C to 40°C	
	Audible Noise	60dB MAX	
	Display	LED+LCD	
	Standard Warranty	1 year	
	Communication	PC \ WIFI \ BMS (BMS optional)	