

High Frequency Power Inverter/Charger

EP1500 Series (1000VA 2000VA)



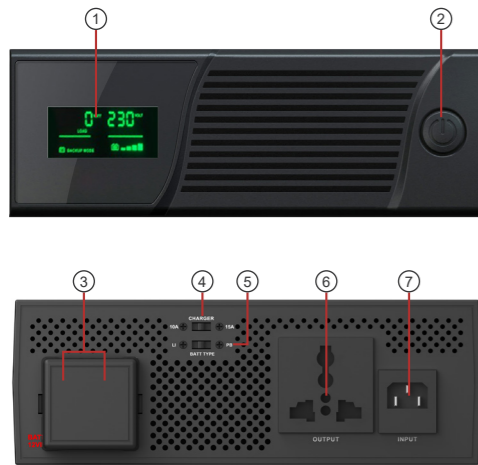
Features

- Pure sine wave inverter
- Double layers PCB board.
- Support two kinds of batteries: Lithium Battery Pack and Lead-acid Battery
- Support fast max charging current setting
- Different charging mode for different kinds of batteries
- Auto restart while AC recovery
- Overload & short-circuit protection, Battery reverse polarity 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

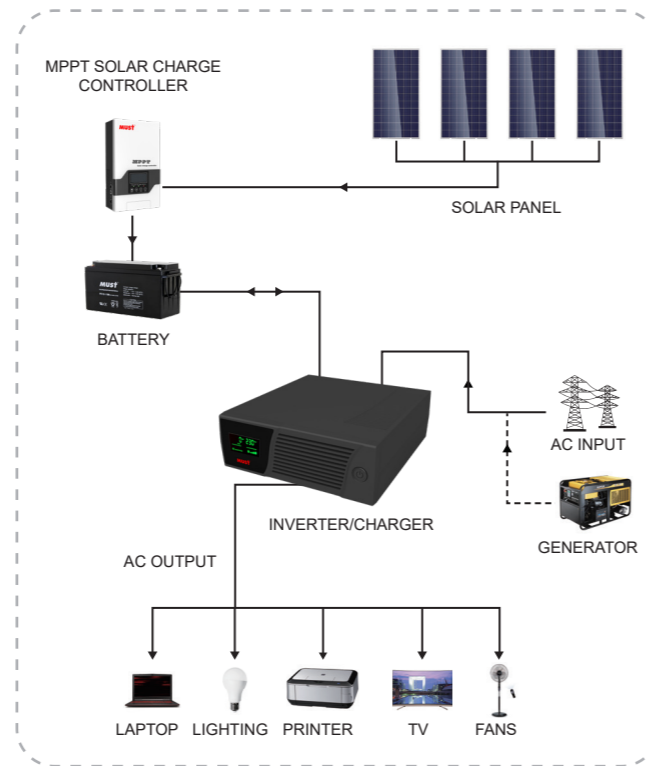
EP1500 series is a pure sine wave inverter applied to TV, stereos, laptops, and desktop computers and other home appliances. It will automatically switch to inverter and provide power when AC is interrupted unexpectedly. It's perfect for the user who need a simple and economical inverter, with user-friendly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

Back panel printing description



1. ON / OFF
2. LCD Screen
3. DC Input Connector (Battery Terminal)
4. Charging max current setting switch
5. Battery kind setting switch
6. Output Receptacle(s)
7. AC Input with fuse box

Solar system connection



Specification

MODEL		EP15-1012		EP15-2024	
Nominal Battery System Voltage		12VDC		24VDC	
INVERTER OUTPUT	Rated Power	1000VA / 600W		2000VA / 1200W	
	Waveform	Pure Sine Wave			
	Nominal Output Voltage RMS	230V			
	Output Voltage Regulation	+10/-18%			
	Output Frequency	50Hz / 60Hz ±1Hz			
	Inverter Efficiency (Peak)	>90%			
	Line Mode Efficiency	>95%			
	Typical Transfer Time	<10ms typical, 15ms max			
	AC INPUT	Voltage	230VAC		
Voltage Range		184 ~ 278VAC ± 3%			
Frequency Range		45 ~ 65Hz ± 2Hz			
Note: Below Parameters (PB) Lead-acid Battery / (LI) LiFePO4 Lithium Battery Pack - 12V(4 Series) 24V(8 Series)					
BATTERY	Nominal Input Voltage	12VDC		24VDC	
	Low Battery Cutoff	10.5VDC(PB)	11.5VDC(LI)	21.0VDC(PB)	23.0VDC(LI)
	Low Battery Alarm	11.0VDC(PB)	12.0VDC(LI)	22.0VDC(PB)	24.0VDC(LI)
	Low Battery Voltage Recover	12.5VDC(PB)	12.8VDC(LI)	25.0VDC(PB)	25.6VDC(LI)
	High Voltage Alarm	14.5VDC(PB)	14.3VDC(LI)	29.0VDC(PB)	28.6VDC(LI)
	High Battery Voltage Recover	15.0VDC(PB)	14.8VDC(LI)	30.0VDC(PB)	29.6VDC(LI)
	CHARGER	Boost Voltage	14.4VDC(PB)	14.4VDC(LI)	28.8VDC(PB)
Float Voltage		13.8VDC(PB)	14.4VDC(LI)	27.6VDC(PB)	28.8VDC(LI)
Charging Current		10A±2A @ 12V		7A±2A @ 24V	
Charging Current		15A±2A @ 12V		10A±2A @ 24V	
Overcharge Protection S.D.		15.5VDC		31VDC	
BYPASS & PROTECTION	Nominal Input Frequency	50Hz / 60Hz (Auto sensing)			
	Overload Protection (SMPS Load)	FUSE			
	Output Short Circuit Protection	6.3A		10A	
	Bypass Fuse Rating	6.3A		10A	
	Max Bypass Current	6.3A		10A	
MECHANICAL SPECIFICATIONS	Machine Dimension (W*H*D)	255*224*80mm			
	Package Dimension (W*H*D)	/			
	G.W	/			
	N.W	/			
OTHER	Operation Temperature Range	0°C to 40°C			
	Audible Noise	60dB MAX			
	Display	LED+LCD			
	Standard Warranty	1 year			