

HIGH FREQUENCY POWER INVERTER/CHARGER

EP1500 Series

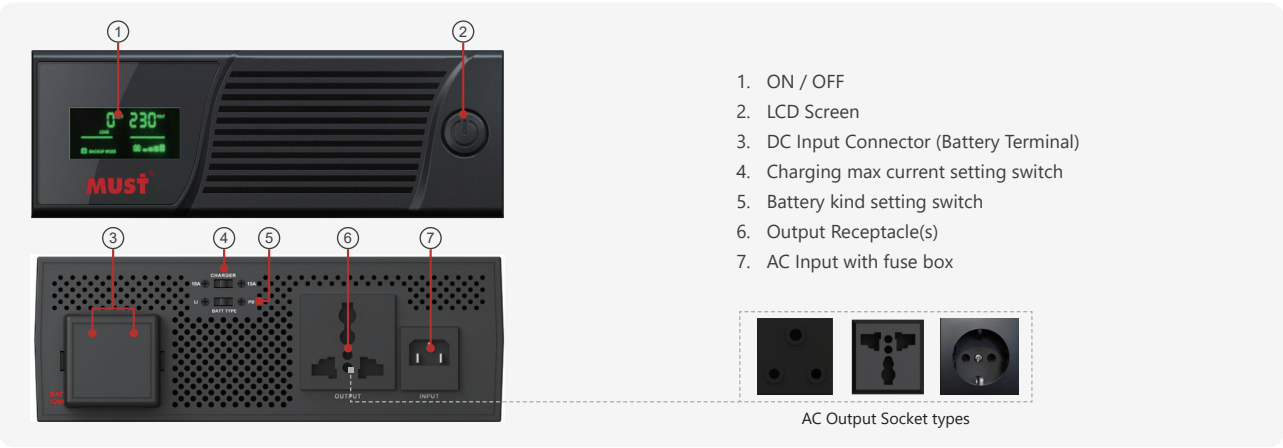
1~2KVA | 12V/24V | 230V

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.

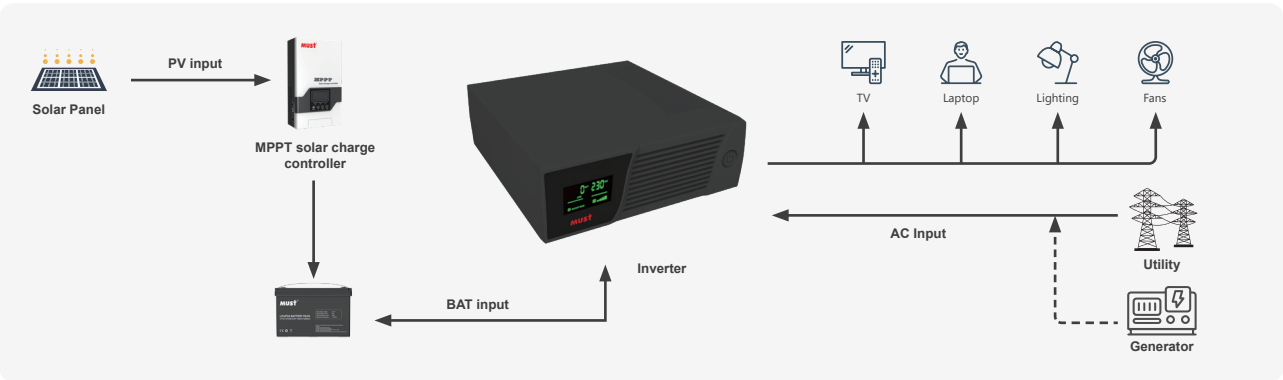


- Pure sine wave inverter
- Low shutdown loss for energy storage system application
- Support two kinds of batteries: Lithium Battery Pack and Lead-acid Battery
- Support fast max charging current setting
- Different charging mode for different kinds of batteries
- Auto restart while AC recovery
- Overload & 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

Back panel description



Solar system connection



MODEL	EP15-1012		EP15-1512		EP15-2024	
Nominal Battery System Voltage	12VDC		12VDC		24VDC	
INVERTER OUTPUT						
Rated Power	1000VA / 600W		1500VA / 1000W		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, 20ms max					
AC INPUT						
Voltage	230VAC					
Voltage Range	176~278VAC ± 3%					
Frequency Range	45~65Hz ± 2Hz					
BATTERY						
Note: Below Parameters (PB) Lead-acid Battery / (LI) LiFePO4 Lithium Battery Pack - 12V(4 Series) 24V(8 Series)						
Nominal Input voltage	12VDC		12VDC		24VDC	
Low Battery Voltage Cut Off	10.5VDC(PB)	11.5VDC(LI)	10.5VDC(PB)	11.5VDC(LI)	21.0VDC(PB)	23.0VDC(LI)
Low Battery Voltage Alarm	11.0VDC(PB)	12.0VDC(LI)	11.0VDC(PB)	12.0VDC(LI)	22.0VDC(PB)	24.0VDC(LI)
Low Battery Voltage Recovery	12.5VDC(PB)	12.8VDC(LI)	12.5VDC(PB)	12.8VDC(LI)	25.0VDC(PB)	25.6VDC(LI)
High Battery Voltage Alarm	14.5VDC(PB)	14.5VDC(LI)	14.5VDC(PB)	14.5VDC(LI)	29.0VDC(PB)	29.0VDC(LI)
High Battery Voltage Recovery	15.0VDC(PB)	14.8VDC(LI)	15.0VDC(PB)	15.0VDC(LI)	30.0VDC(PB)	29.6VDC(LI)
CHARGER						
Boost Voltage	14.4VDC(PB)	14.4VDC(LI)	14.4VDC(PB)	14.4VDC(LI)	28.8VDC(PB)	28.8VDC(LI)
Float Voltage	13.8VDC(PB)	14.4VDC(LI)	13.8VDC(PB)	14.4VDC(LI)	27.6VDC(PB)	28.8VDC(LI)
Charging Current	10A±2A @ 12V		10A±2A @ 12V		7A±2A @ 24V	
Charging Current	20A±2A @ 12V		20A±2A @ 12V		15A±2A @ 24V	
Overcharge Protection S.D.	15.5VDC		15.5VDC		31VDC	
BYPASS & PROTECTION						
Nominal Input Frequency	50Hz / 60Hz (Auto sensing)					
Overload Protection (SMPS Load)	FUSE					
Output Short Circuit Protection	6.3A		10A		10A	
Bypass Fuse Rating	6.3A		10A		10A	
Max Bypass Current	6.3A		10A		10A	
MECHANICAL SPECIFICATIONS						
Machine Dimension (W*H*D)(mm)	255*80*224					
Package Dimension (W*H*D)(mm)	332*127*288(1pcs); 400*596*347(6pcs)					
N.W(kg)	2.3					
G.W(kg)	16(6pcs)					
Material	Plastic case					
OTHER						
Operation Temperature Range	0°C ~ 40°C					
Audible Noise	60dB MAX					
Display	LED+LCD					
Standard Warranty	2 year					
CERTIFICATION & STANDARDS						

*The technical specifications of this document are subject to change without any notice