

High Frequency Pure sine Wave Power inverter

EP5000 Series (3KW-5KW)



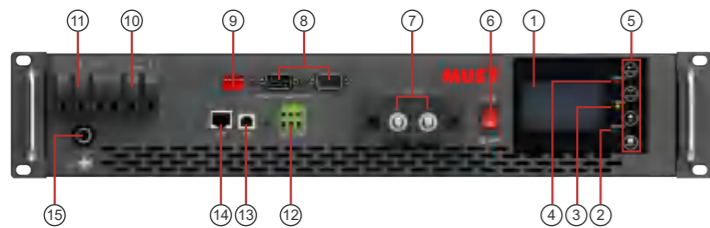
Features

- Pure sine wave inverter
- Configurable input voltage range For home appliances and personal computers via LCD setting Configurable battery charging current based on applications via LCD setting
- Configurable AC Charger via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/Over temperature/short circuit protection
- Smart battery charger design For optimized battery performance
- Cold start Function

Introduction

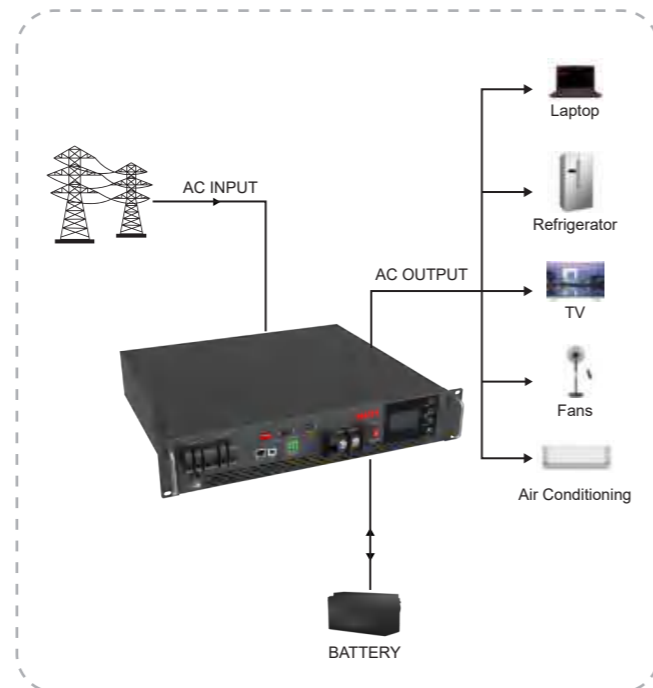
This is a multi-function inverter/charger, combining Functions of inverter, battery charger to offer uninterruptible power with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC charger, and acceptable input voltage based on different applications.

Back panel printing description



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. Battery input
8. Parallel communication port (only for parallel model)
9. Parallel switch
10. AC output
11. AC input
12. Dry contact
13. USB
14. RS485 communication port
15. Circuit Breaker

Solar system connection



Specification

MODEL		EP50-3KW	EP50-4KW	EP50-5KW	
Rated output power		3000W	4000W	5000W	
AC INPUT	Nominal Input Voltage	220Vac			
	Selectable Voltage range	AC 185V~270V			
	Frequency Range	50Hz/60Hz (Auto sensing)			
	Inverter Efficiency(Peak)	97%			
INVERTER OUTPUT	Output voltage waveform	Pure sine wave			
	Output Voltage Regulation	220Vac ± 5%			
	Output Frequency	50Hz			
	Power Factor	1			
	Transfer Time	10ms typical			
	Peak Efficiency	92%			
	Nominal DC Input Voltage	48VDC			
	Cold Start Voltage	46VDC			
	Output Short Circuit Protection	Line mode	Circuit Breaker		
		Battery mode	Electronic Circuits		
BATTERY	Battery voltage	48VDC (±0.5)			
	Floating voltage	54V			
CHARGER	Charging Current(UPS) @Nominal Input Voltage	Default:30A; MAX:60A			
	Bulk Charging Voltage	56.4Vdc			
	Floating Charging Voltage	54Vdc			
	Charging Algorithm	3-Step			
GENERAL	Mounting	Rack mount			
	Display	LED+LCD			
	Safety Certification	CE			
	Operation Temperature Range	0°C to 40°C			
	Storage Temperature	-15°C to 60°C			
	Dimensions (W*H*D)(mm)	400×468×86.3			
	Net Weight (kg)	10.0			