


Low Frequency Power Inverter/Charger

EP3000 PLUS Series (1KW-6KW)



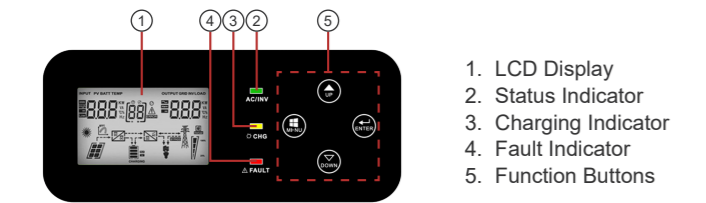
Features

- 3 Steps charging
- MFD (multi-function display)
- Overload and short-circuit protection
- Set charging voltage/charging current.
- Battery low voltage shutdown point can be set to 10/10.5/11/11.5V
- Power-save mode
- Set utility priority/ Battery priority
- Set utility input wide/narrow range
- Inverter voltage can be set to 220V/230V/240V
- Inverter frequency can be set to 50/60Hz
- Set utility charging on/off switch
- Acid or Litiium select
- WiFi port (optional)

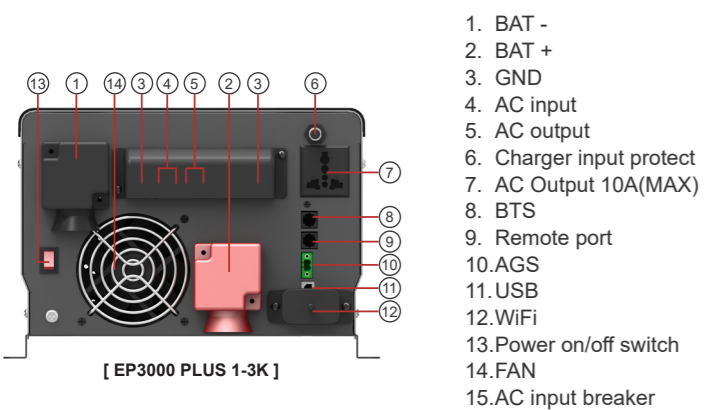
Introduction

EP3000 PLUS series is a very economical pure sine wave inverter, with AC charger from 20A to 60A; Solar/AC priority is configurable, when setting solar priority, solar will charge batteries as first priority, and AC can also charge batteries when solar charger current is too lower . With pure copper transformer, it enables inverter to operate with all kinds of home appliances.

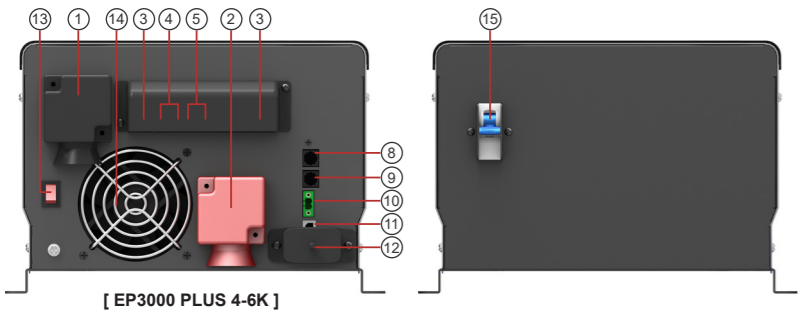
Back panel printing description



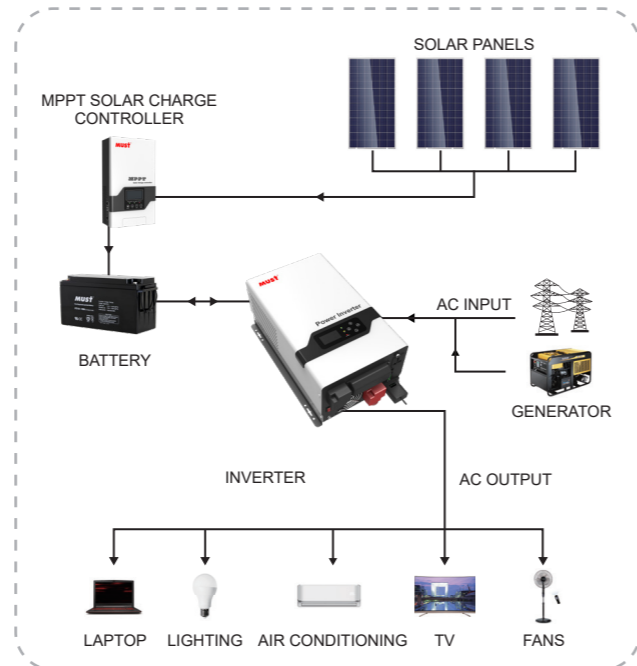
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



1. BAT -
2. BAT +
3. GND
4. AC input
5. AC output
6. Charger input protect
7. AC Output 10A(MAX)
8. BTS
9. Remote port
10. AGS
11. USB
12. WiFi
13. Power on/off switch
14. FAN
15. AC input breaker



Solar system connection



Specification

MODEL	EP30-1012 PLUS	EP30-1024 PLUS	EP30-1512 PLUS	EP30-1524 PLUS	EP30-2012 PLUS	EP30-2024 PLUS	EP30-3024 PLUS	EP30-3048 PLUS	EP30-4024 PLUS	EP30-4048 PLUS	EP30-5048 PLUS	EP30-6048 PLUS	
Nominal Battery System Voltage	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC	48VDC	24VDC	48VDC	48VDC	48VDC	
INVERTER OUTPUT	Rated Power	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW					
	Surge Rating	3000VA	4500VA	6000VA	9000VA	12000VA	15000VA	18000VA					
	Capable Of Starting Electric Motor	1HP	1HP	1HP	2HP		3HP						
	Waveform	Pure sine wave / same as input (bypass mode)											
	Nominal Output Voltage RMS	220V / 230V / 240VAC ±10% (RMS)											
	Output Frequency	50Hz / 60Hz ±0.3Hz											
	Inverter Efficiency (Peak)	>88%											
	Line Mode Efficiency	>95%											
	Power Factor	1.0											
	Typical Transfer Time	10ms(max)											
AC INPUT	Voltage	230VAC											
	Selectable Voltage Range	96~132VAC 155~280VAC(For personal computers)											
	Frequency Range	50Hz / 60Hz(Auto sensing) 40~80Hz											
BATTERY	Minimum Start Voltage	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low Battery Alarm	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low Battery Cut Off	10V / 10.5V / 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	High Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Idle Consumption-Search Mode	Load ≤100±20W(220V)											
CHARGER	Output Voltage	Depends on battery type											
	Charge AC Input Breaker Rating	230V	1-1.5K/10A			2-3K/30A			4-6K/40A				
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)											
	Maximum Charge Current	30A	20A	45A	25A	60A	30A	40A	20A	60A	30A	35A	40A
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave (grid or generator)											
	Nominal Input Frequency	50Hz or 60Hz											
	Overload Protection (SMPS Load)	Circuit breaker											
	Output Short Circuit Protection	Circuit breaker											
	AC Input Breaker	1-3K/30A						4-6K/50A					
MECHANICAL SPECIFICATIONS	Mounting	Wall Mount											
	Machine Dimension (W*H*D)	302.8*460*199.8mm						305.4*531*200.3mm					
	Package Dimension (W*H*D)	/											
	G.W	/											
	N.W	/											
OTHER	Operation Temperature Range	0°C to 40°C											
	Storage Temperature	-15°C to 60°C											
	Audible Noise	60dB MAX											
	Display	LED+LCD											
	Standard Warranty	1 year, 2 or 3 years optional (IP20)											

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