

Low Frequency Power Inverter/Charger

EP3000 LV2 Series (1KW-6KW)



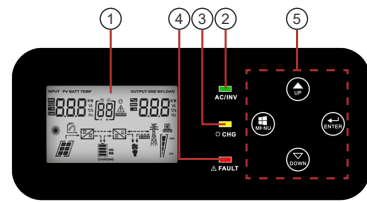
Features

- 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 110V/115V/120V
- Inverter frequency can be set to 50/60Hz
- Set utility charging on/off switch
- Acid or Lithium Select
- WiFi port (optional)

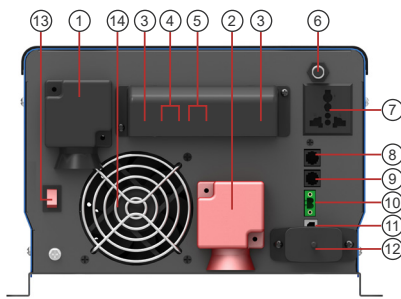
Introduction

EP3000 LV2 series is very economical pure sine wave inverter, special in north & south america market, and AC charger from 35A to 70A .Solar/AC priority configurable . When solar priority , in case its charge current lower than inverter's charger from AC , AC will supplement to charge the batteries , to optimize charging . With low frequency transformer ,it enable the inverter to operate with all kinds of home appliances.

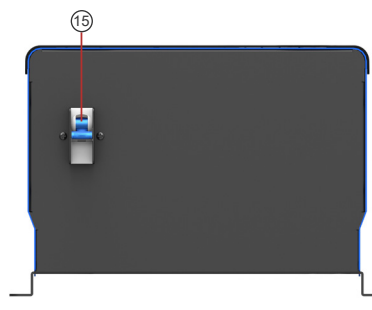
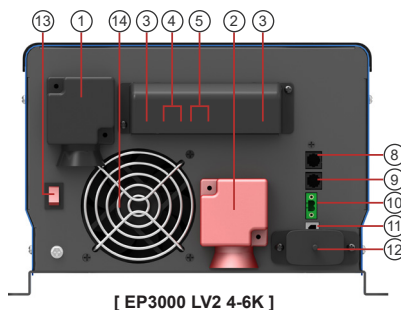
Back panel printing description



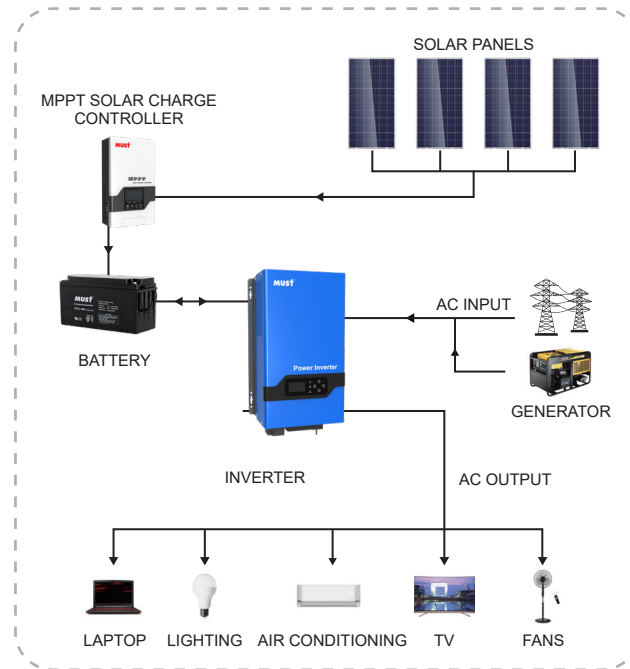
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



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 LV2	EP30-1024 LV2	EP30-1512 LV2	EP30-1524 LV2	EP30-2012 LV2	EP30-2024 LV2	EP30-3024 LV2	EP30-3048 LV2	EP30-4024 LV2	EP30-4048 LV2	EP30-5048 LV2	EP30-6048 LV2	
Nominal Battery System Voltage	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC	48VDC	24VDC	48VDC	48VDC	48VDC	
INVERTER OUTPUT	Rated Power	1.0KW	1.5KW	2KW	3KW	4KW	5KW	6KW					
	Surge Rating	3000VA	4500VA	6000VA	9000VA	12000VA	15000VA	18000VA					
	Capable Of Starting Electric Motor	1HP			2HP			3HP					
	Waveform	Pure sine wave/ same as input (bypass mode)											
	Nominal Output Voltage RMS	110V/115V/120VAC ±10% (RMS)											
	Output Frequency	50Hz / 60Hz±0.3 Hz											
	Inverter Efficiency(Peak)	>88%											
	Line Mode Efficiency	>95%											
	Power Factor	1.0											
	Typical Transfer Time	10ms(max)											
AC INPUT	Voltage	120VAC											
	Selectable Voltage Range	80~135VAC(For Personal Computers)											
	Frequency Range	50Hz/60Hz (Auto sensing) 40~80Hz											
BATTERY	Minimum Start Voltage	(10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low Battery Alarm	(10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low Battery Cut off	10V / 10.5V / 11V / 11.5V 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 ≤50±20W(120V)											
CHARGER	Output Voltage	Depends on battery type											
	Charger AC Input Breaker Rating	1K/12A	1.5K/16A	2K/30A	3K/40A	4-6KW/63A							
	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	30A			40A			50A / 63A					
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											