

Low Frequency Power Inverter/Charger

EP3000 LV2 Series (1KW-6KW)



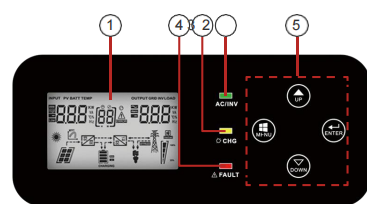
Features

- Pure sine wave output
- Friendly user interface
- 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 10/10.5/11V
- 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

Introduction

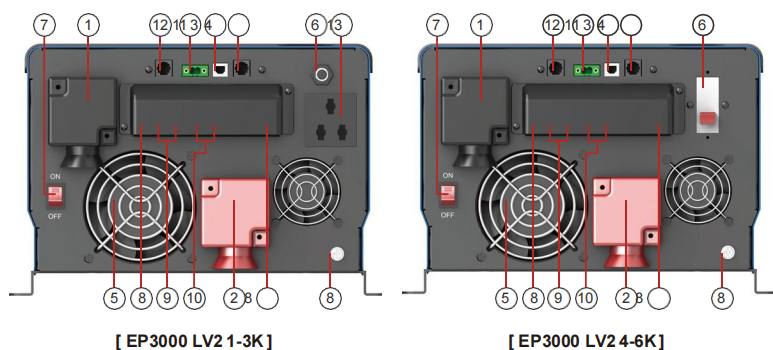
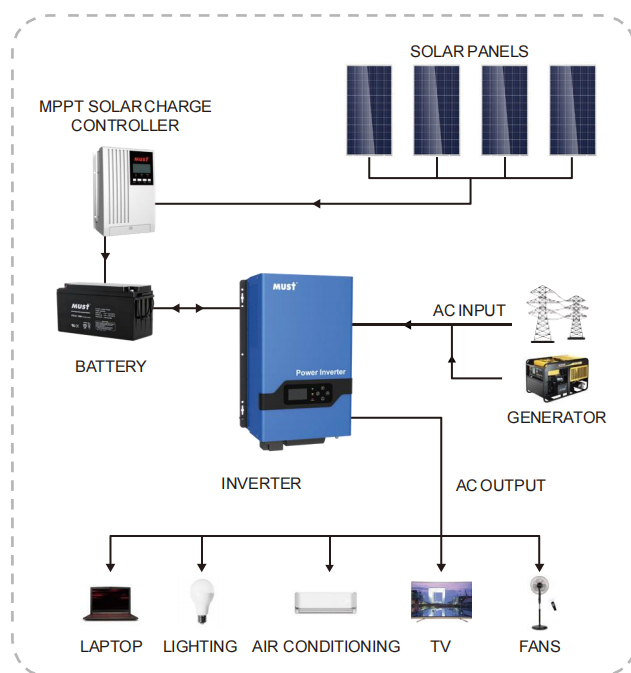
EP3000 LV2 series is very economical pure sine wave inverter, special in north & south america market, and AC charger from 35A to 70A .Solar/AC priority configurable . When solar priority , in case its charge current lower than inverter's charger from AC , AC will supplement to charge the batteries , 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

Solar system connection



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

Specification

MODEL	EP30-1KW LV2	EP30-1.5KW LV2	EP30-2KW LV2	EP30-3KW LV2	EP30-4KW LV2	EP30-5KW LV2	EP30-6KW 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	
	Surge Rating	3000VA	4500VA	6000VA	9000VA	12000VA	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)+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 ≤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
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						
	Bypass Breaker Rating	10A	30A		40A			
	Max Bypass Current	30Amp				40Amp		
MECHANICAL SPECIFICATIONS	Mounting	Wall Mount						
	Dimensions (W*H*D) (mm)	423*247*197					597*247*197	
	Net Weight (Solar CHG) (kg)	16.5	17	21.1	20	24.5	24.8	45
	Shipping Dimensions(W*H*D) (mm)	585*350*310					758*387*322	
	Shipping Weight (Solar CHG) (kg)	19.3	20	24.1	22.8	27.5	27.5	49.3
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						

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