

Low Frequency Pure Sine Wave Split Phase Inverter Charger

PB EP3300 TLV Series (1KW-6KW)



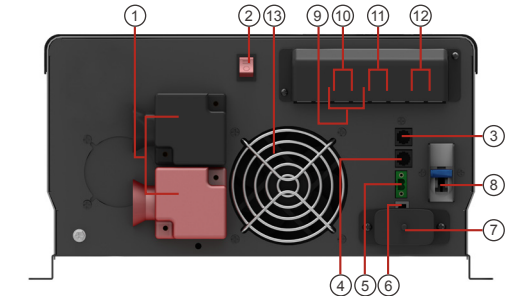
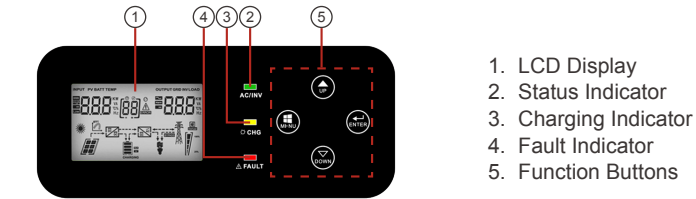
Features

- Pure sine wave output
- 3 steps charging
- Overlord and short- circuit protection
- Set charging voltage/charging current
- Power-save mode
- Battery low voltage shutdown point can be set to 10/10.5/11/11.5V
- Inverter voltage can be set to 100/110/120
- Inverter frequency can be set to 50/60Hz
- Acid or Lithium select
- Wifi port (optional)

Introduction

This split phase inverter PB EP3300 TLV series, capacity from 1KW-6KW, DC 12V/24V/48V, it's applicable to 110VAC/120VAC markets demands, which matches AC 110VAC/120V single phase, or two phase 220V/240V; In LCD display, you can set output voltage, frequency, charging voltage, charging current to design best use based on different loads applications; meanwhile, you can also connect extra solar charge controller to build a solar home system, take use of sunshine freely and save electricity bills.

Back panel printing description



1. Battery +/-

2. Switch on/off

3. BTS

4. Remote port

5. AGS

6. USB

7. WiFi port
8. AC Input protect: Input protect breaker

9. AC Output: HOT1 - HOT2 200VAC/220 VAC/240VAC

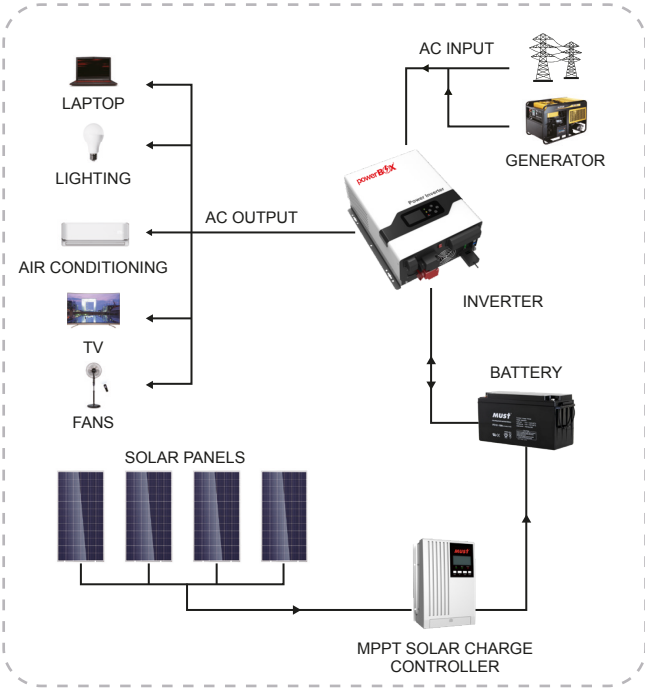
10.AC Output: HOT1 - N 100VAC/110 VAC/120VAC

11.AC Output: HOT2 - N 100VAC/110 VAC/120VAC

12.AC Input:HOT1 - HOT2 200VAC/220 VAC/240VAC

13.Fan

Solar system connection



Specification

MODEL		PBEP33-1012 TLV	PBEP33-1024 TLV	PBEP33-1512 TLV	PBEP33-1524 TLV	PBEP33-2012 TLV	PBEP33-2024 TLV	PBEP33-3024 TLV	PBEP33-3048 TLV	PBEP33-4024 TLV	PBEP33-4048 TLV	PBEP33-5048 TLV	PBEP33-6048 TLV
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	1P		1P		1.5P		1.5P		2P		3P	
	Power factor	1											
	Wave form	Pure sine wave / Same as input wave form (bypass mode)											
	Output voltage RMS	100V / 110V / 120VAC (200V / 220V / 240VAC) ±10%											
	Output frequency	50Hz or 60Hz (±0.3Hz) (can be set)											
	Overload protection	Breaker + software protection											
	Output short circuit	Breaker + software protection											
	Inverter efficiency (peak)	>80%											
	Overload	100% < Load < 110% (alarm 5min then stop output and fault code 07) 110% < Load < 125% (alarm 60s then stop output and fault code 07) Load > 125% (alarm 10s then stop output and fault code 07)											
Battery	Battery voltage	12VDC / 24VDC						24VDC / 48VDC				48VDC	
	Minimum start voltage	(10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low battery voltage cut off	10V / 10.5V / 11V 11.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low battery voltage alarm	(10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	High battery 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)											
	Save mode	Load ≤50±20W(120V)/100±20W(220V)											
AC Input Mode	Input waveform	Pure sine wave											
	Nominal input voltage	200Vac / 220Vac / 240Vac											
	Max input voltage	270Vac MAX											
	Input frequency	50Hz / 60Hz (auto sensing)											
	Efficiency (AC mode)	>95% (load, full battery)											
	Transfer time AC to DC	15ms(max)											
	Transfer time DC to AC	15ms(max)											
Charge Mode	Boost voltage	14.1V(Default) Range of adjustment 13.8-14.5V / *2 for 24VDC / *4 for 48VDC (Regulation step 0.1V)											
	Float voltage	13.5V(Default) Range of adjustment 13.5-14.5V / *2 for 24VDC / *4 for 48VDC (Regulation step 0.1V)											
	12V	30A		45A		60A		/		/		/	
	24V	20A		25A		30A		40A		60A		/	
	48V	/		/		/		20A		30A		35A	
			Min charge current 10A. Change by every 5A										
Dimensions	Dimensions (W*H*D)	359.2*443*188mm								361.8*543.5*188.5mm			
	Ship Dimensions (W*H*D)	457*598*308mm								457*698*308mm			
	Warranty	One year (standard), 2 years optional (IP20)											