

Low Frequency Pure Sine Wave Split Phase Inverter Charger

EP3300 TLV Series (1KW-6KW)



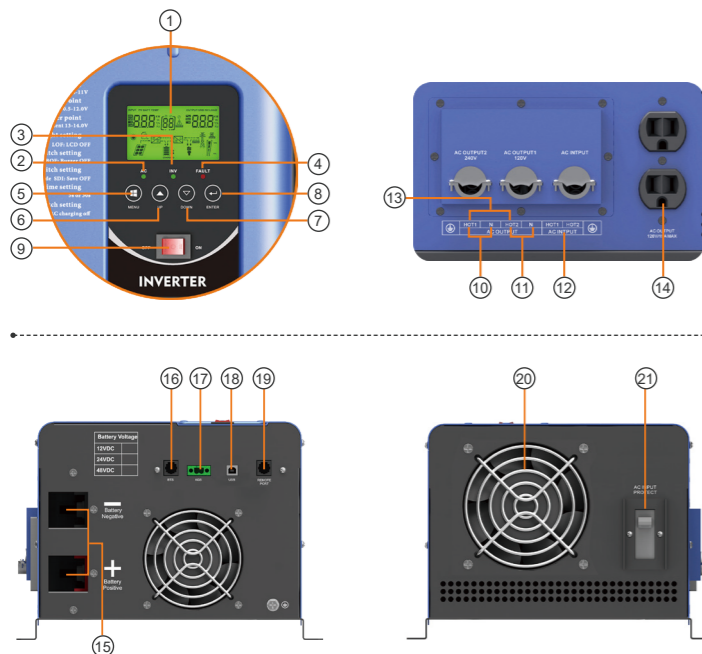
Features

- Pure sine wave output, split phase HOT1+ N + HOT2 available, 120VAC/220VAC
- MFD (multi-function display) & Friendly user interface
- 3 Steps optimizing charge for battery pack
- Overload and short-circuit protection
- Settable: charging/charging current, utility/Battery priority, utility input wide/narrow range
- Inverter voltage can be set to 100V/110V/120V
- Inverter frequency can be set to 50/60Hz

Introduction

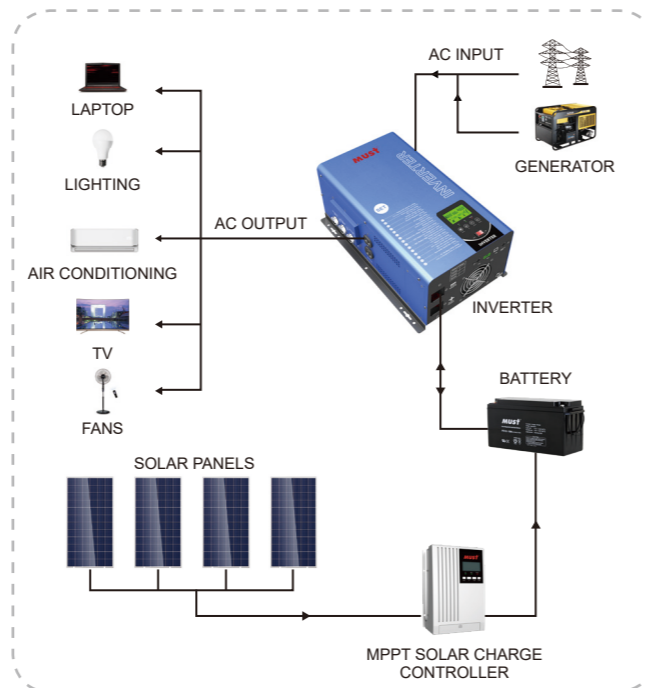
This split phase inverter EP3300 TLV series, capacity from 1KW-6KW, DC 12V/24V/48V, it's applicable to 110VAC\120VAC markets demands, which matches AC 110VAC\120V single phase, or two phase 220V\240V; In LCD display, you can set output voltage, frequency, charging voltage, charging current to design 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. LCD Setting | 8. Enter and confirm | 15. Battery +/- |
| 2. AC Status LED | 9. Switch on / off | 16. BTS |
| 3. Inverter Status LED | 10. AC OUTPUT1: HOT1 - N 100VAC/110VAC/120VAC | 17. AGS |
| 4. Fault Warning LED | 11. AC OUTPUT2: HOT2 - N 100VAC/110VAC/120VAC | 18. USB |
| 5. MENU | 12. AC INPUT: HOT1 - HOT2 200VAC/220VAC/240VAC | 19. Remote Panel |
| 6. Page up | 13. AC OUTPUT: HOT1 - HOT2 200VAC/220VAC/240VAC | 20. Fan |
| 7. Page down | 14. 15AMAX JFCI Output 100V/110V/120V Socket, 15A MAX | 21. AC input breaker |

Solar system connection



Specification

MODEL		EP33-1012 TLV	EP33-1024 TLV	EP33-1512 TLV	EP33-1524 TLV	EP33-2012 TLV	EP33-2024 TLV	EP33-3024 TLV	EP33-3048 TLV	EP33-4024 TLV	EP33-4048 TLV	EP33-5048 TLV	EP33-6048 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)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low battery voltage cut off	10V \ 10.5V \ 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)											
	Low battery voltage alarm	(10V \ 10.5V \ 11V)+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 13.5-13.7V \ *2 for 24VDC \ *4 for 48VDC (Regulation step 0.1V)											
	12V	30A	45A	60A	\	\	\	\	\	\	\	\	\
	24V	20A	25A	30A	40A	60A	\	\	\	\	\	\	\
	48V	\	\	\	20A	30A	35A	40A	\	\	\	\	\
Min charge current 10A. Change by every 5A													
Dimensions	Dimensions (W*H*D) (mm)	277*196*466mm						277*186*621mm					
	Ship Dimensions (W*H*D) (mm)	381*316*597mm						381*306*752mm					
	Warranty	One year (standard), 2 years optional (IP20)											