



PV3300 TLV Series (1KW-6KW)

Features

- Pure sine wave output, split phase HOT1+ N + HOT2 available, 120VAC/220VAC
- Built-in MPPT solar charge controller 80A
- 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

Selection Guide

MODEL		PV33-1012 TLV	PV33-1024 TLV	PV33-1512 TLV	PV33-1524 TLV	PV33-2012 TLV	PV33-2024 TLV	PV33-3024 TLV	PV33-3048 TLV	PV33-4024 TLV	PV33-4048 TLV	PV33-5048 TLV	PV33-6048 TLV		
Inverter Output	Rated power	1KW		1.5KW		2KW		3KW		4KW		5KW		6KW	
	Power factor	1													
	Wave form	Pure sine wave / Same as input wave form (bypass mode)													
	Output voltage RMS	110V /120VAC (220V / 230V / 240VAC)													
	Output frequency	50Hz or 60Hz (±0.3Hz) (can be set)													
	Overload protection Output short circuit	Breraker + software protection													
	Inverter efficiency (peak)	>80%													
	Overload	100%<Load<110% (alarm 5min then stop output) / 110%<Load<125% (alarm 60s then stop output) / Load > 125% (alarm 10s then stop output)													
	Surge rating	3000VA		4500VA		6000VA		9000VA		12000VA		15000VA		18000VA	
	Capable of starting electric motor	1P		1P		1.5P		1.5P		2P		3P			
Battery	Battery voltage	12VDC/24VDC				24VDC/48VDC				48VDC					
	Minimum start voltage	11VDC/22VDC/44VDC													
	Low battery voltage cut off	(Low voltage fault code04)10/10.5/11V for 12V mode (*2 for 24VDC / *4 for 48VDC)													
	Low battery voltage alarm	Add 0.5V / battery:(Low battery alarm one second one time) (10/10.5/11V)+0.5VDC for 12V mode (*2 for 24VDC / *4 for 48VDC)													
	High battery voltage alarm	Add 1V/battery:(High battery one second one time /after 30s fault 03) (13.8-14.5V)+1V for 12V mode (*2 for 24VDC/*4 for 48VDC)													
AC Input Mode	Save mode	Loads ≤ 40W (110V) / 80W (220V)													
	Input waveform	Pure sine wave													
	Nominal input voltage	220Vac / 230Vac / 240Vac													
	Max input voltage	270Vac MAX													
	Input frequency	50Hz / 60Hz (auto sensing)													
	Efficiency (AC mode)	>95% (load, full battery)													
Solar Charger	Transfer time AC to DC	15ms(max)													
	Maximum PV Array Power	1250W	2500W	1250W	2500W	1250W	2500W	2500W	5000W	2500W	5000W	5000W	5000W	5000W	
	Maximum PV Charge Current	80A													
	DC Voltage	12V/24V						24V/48V			24V/48V				
	MPPT Range @ Operating Voltage	16~95VDC @ 12V / 30~130VDC @ 24V						30~130VDC @ 24V / 60~130VDC @48V			60~130VDC @48V				
	Maximum PV Array Open Circuit Voltage	100±2Vdc/145±2Vdc						145±2Vdc			145±2Vdc				
	Maximum Efficiency	>98%													
Standby Power Consumption	<2W														
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)	277*196*466mm						277*186*621mm							
	Ship Dimensions (W*H*D)	376*306*592mm						376*296*747mm							
	Warranty	One year (standard), 2 years optional (IP20)													