BELTTT®

REMOTELY CONTROLLABLE MULTI-FUNCTION INTELLIGENT INVERTER

BLP series pure sine wave inverter can be used for home, office, car, boat and outdoor emergency power supply, can be used in the following types electrical appliances:

1. household appliances: TV, speakers, amplifiers, refrigerators, air conditioners, electric fans, induction cookers, microwave ovens, electric ovens, consumer ,poison cabinets, hair dryers, electric heaters, vacuum cleaners, fruit oars, rice cookers, water heaters...
2. Office equipment: computers, printers, copiers, network equipment, projectors.
3. Lighting equipment: LED lights, white lights, fluorescent lights, energy-saving lamps.
4. Power tools: electric drills, cutting machines, fans, pumps, hand grinders.

Power supply for vehicle equipment

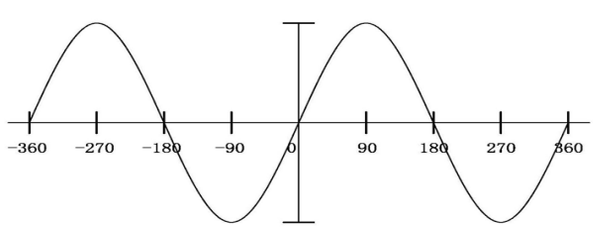
Solar / Home power generation

power supply for ship equipment

RATED CURRENT AND ACTUAL EQUIPMENT

The BLP series inverter is a pure sine wave inverter, and its output waveform is the same as mains. The nominal current or power of most electric tools, household appliances, and audio-visual equipment is within the nominal power range of the inverter, but there will an overload protection when starting some electrical equipment.
Some audio and video equipment and electric tools have to be more than resistive load level of power for working preper, asynchronous motors, CRT TV, compressor, water pump, etc. request 2 to 6 times of working current when starting. Weather it can run depends on the test.

This series of inverters CAN NOT be used for medical equipment.



Pure sine wave working diagram

BELTTT®

Power Inverter Solar Power Generation System

PRODUCT PARAMETER LIST

Model		BLP-1000S-12V-*	BLP-2000S-12V-*	BLP-3000S-12V-*	BLP-1000S-24V-*	BLP-2000S-24V-*	BLP-3000S-24V-*
Output	Rated Power	1000W (30 minutes) 900W (continuous)	2000W (30 minutes) 1800W (continuous)	3000W (30 minutes) 2700W (continuous)	1000W	2000W	3000W
	AC Voltage	220/230/240V					
	Frequency	50Hz/60Hz(Adjustable)					
	Peak Power	2000W	4000W	6000W	2000W	4000W	6000W
	Total Harmonic Distortion(THD)	< =5%					
Input	Battery Voltage	12V			24V		
	Voltage Range	9V-17V			18V-32V		
	DC Current	96A	194A	291A	46A	92A	139A
	No load Consumption	1.2A	1.5A	2A	0.6A	0.7A	1.1A
	Quiescent Current in Shutdown Mode	15mA			13mA	15mA	13mA
	Max Efficiency	90%			91%		
	Battery Type	lithium battery, lead acid battery, valve control battery and gel battery;					
Battery input protection	Fuse	35A*4	300A*1	400A*1	40A*2	150A*1	200A*1
	Low Battery Alarm	9.5/10/10.5/11/11.5/12/12.5V, Buzzer alarm, E06 in LED monitor			19/20/21/22/23/24/25V, Buzzer alarm, E06 in LED monitor		
	Recovery of Battery Low Voltage Alarm	10/10.5/11/11.5/12/12.5/13V			20/21/22/23/24/25/26V		
	Low voltage Protection	9/9.5/10/10.5/11/11.5/12V(Adjustable) , E01 in LED monitor, inverter will turn off automatically in 30S			18/19/20/21/22/23/24V(Adjustable) , E01 in LED monitor, inverter will turn off automatically in 30S		
	Recovery of Low Voltage Protection	Recovery in 30S:11/11.5/12/12.5/13/13.5/14V			Recovery in 30S:22/23/24/25/26/27/28V		
	High Voltage Protection	17V, E02 in LED monitor, inverter will turn off automatically in 30S			32V, E02 in LED monitor, inverter will turn off automatically in 30S		
	Recovery of High Voltage Protection	Recovery in 30S: 16.5V			Recovery in 30S: 31V		
	Battery reverse connection protection	When input DC polarity is connected reversely, the fuse will blow to protect the parts of the inverter from being damaged					
Output protection	High Temperature Alarm	Buzzer alarm, E07 in LED monitor					
	Over Temperature	Buzzer alarm, inverter stops working with E04 in LED monitor, recovery after temperature reduction					
	Short Circuit	Short circuit protection is locked, buzzer alarm, E03 in LED monitor, inverter will turn off automatically in 30S					
	Over Load Alarm	Buzzer alarm, E08 in LED monitor					
	Overload Alarm	Buzzer alarm, E05 in LED monitor, inverter will turn off automatically in 30S					
USB	Dual USB Output Voltage	5V					
	Dual USB Output Current	2.1A					
Working environment	Cooling Method	Internal fan of the machine					
	Working Temperature	-20-40℃					
	Working Humidity	10-90%RH					
	StorageTemperature/Humidity	-30℃-+70℃, 10-95%RH					
Packing	N.W.	2820g	5010g	6640g	2820g	5010g	6640g
	Size/mm (L×W×H)	357.5*172*78	420.4*208.9*110	517.4*208.9*110	357.5*172*78	420.4*208.9*110	517.4*208.9*110
Remark	All the parametcrs are measured in environment temperature 25℃ if not specified.						

(Note:The"*"represents different AC output socket;for example."EU"represents European socket;"UK"represents United Kingdom socket; "FR"represents French socket.)