

## EP1100 Series High Frequency Modified Sine Wave Inverter

### Feature:

- Charge current 10A/20A adjustable.
- Double layers PCB board.
- Compact size for convenient use.
- Three-steps intelligent charge controller.
- With Battery Reverse Protection Function (Optional)
- Home use, for DVD, TV, Lights, and Fans.
- With battery cable 10AWG 60cm.

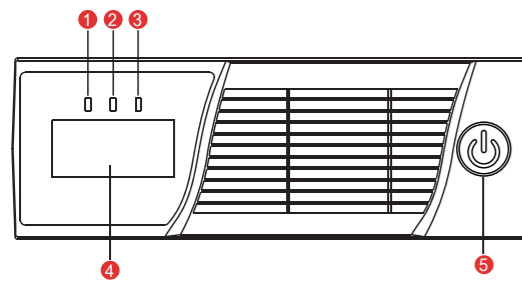
### Panel



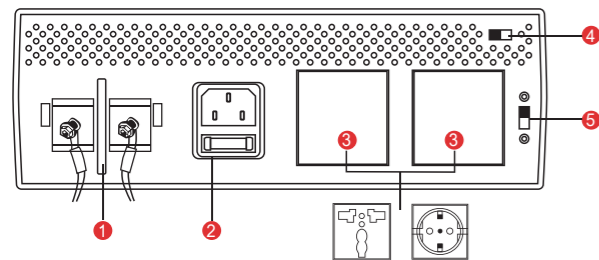
### Introduction:

EP1100 720W/1440W is a modified sine wave inverter applied to TV, stereos, laptops, and desktop computers and other home appliances. It will automatically switch to inverter and provide power when AC is interrupted unexpectedly.

### LCD Display Information



1. FAULT LED
2. INVERTER MODE LED
3. MAINS MODE LED
4. LCD DISPLAY
5. POWER ON/OFF



1. DC Input Connector (Battery Terminal)
2. AC Input
3. Output Receptacle(s)
4. Input Voltage Range Selector: Input voltage range is defined in specification chapter, and output voltage is the same as input voltage in 'mains' mode.
5. Charge Current Selector: 10A/20A adjustable

### Inverter Connection



### Back Panel



### Specification

MODEL		EP11-1200	EP11-1800	EP11-2400
Default Battery System Voltage		12VDC	12VDC	24VDC
INVERTER OUTPUT	Rated Power	1200VA/720W	1800VA/1000W	2400VA/1440W
	Waveform	Modified Sine-wave		
	Nominal Output Voltage RMS	230V		
	Output Voltage Regulation	+10/-18%		
	Output Frequency	50Hz/60Hz +/-0.5 Hz		
	Inverter Efficiency(Peak)	>80%		
	Line Mode Efficiency	>95%		
	Power Factor	0.6		
AC INPUT	Typical Transfer Time	Typical 15~20ms 40ms max		
	Voltage	230VAC		
	Selectable Voltage Range	Narrow	170~280VAC	
	Wide	90~280VAC		
BATTERY	Frequency Range	50Hz/60Hz (Auto sensing)		
	Nominal Input Voltage	12VDC	24VDC	
	Minimum Start Voltage	10.5VDC	21.0VDC	
	Low Battery Alarm	10.5VDC+/-0.3V	21.0VDC+/-0.3V	
	Low Battery Cutoff	10.0VDC+/-0.3V	20.0VDC+/-0.3V	
	High Voltage Alarm	16.0VDC+/-0.3V	32.0VDC+/-0.3V	
	High Battery Voltage Recover	15.0VDC+/-0.3V	30.0VDC+/-0.3V	
CHARGER	Charger Voltage (Vbat<12.5V)	14.4VDC+/-0.4V	28.8VDC+/-0.4V	
	Charger Voltage (Vbat>12.5V)	13.7VDC+/-0.2V	27.4VDC+/-0.2V	
	Charging Current 10A	10A±2A		
	Charging Current 20A	20A±2A		
	Overcharge Protection S.D.	16VDC ±0.4A	32VDC ±0.8A	
BYPASS & PROTECTION	Nominal Input Frequency	50Hz or 60Hz		
	Overload Protection (SMPS Load)	FUSE		
	Output Short Circuit Protection	FUSE		
	Bypass Fuse Rating	10A		
	Max Bypass Current	10Amp		
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D)	253*267*90mm		
	Net Weight (kg)	2.3	2.5	
	Shipping Dimensions(W*H*D)	319*328*123mm		
	Shipping Weight (kg)	2.9	3.1	
OTHER	Operation Temperature Range	0°C to 40°C		
	Audible Noise	60dB MAX		
	Display	LED+LCD		
	Standard Warranty	1 year		
Loading(20GP/40GP/40HQ)	1800pcs / 3600pcs / 4200pcs			

\* Product specifications are subject to change without further notice.

### Approximate Back-up Time Table

Power Rate(w)	backup time(H) @1*100Ah	backup time(H) @2*100Ah	backup time(H) @4*100Ah	backup time(H) @4*200Ah
720	1.4	2.8	5.6	11.2
1000	0.9	1.9	3.8	7.5
1400		1.4	2.8	5.6