



## EP1100 Pro Series High Frequency Modified Sine Wave Inverter

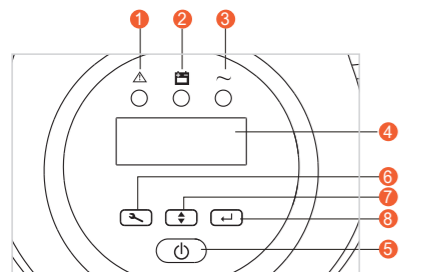
### Feature:

- Rated power 1.2KVA to 2.4KVA
- Modified sine wave inverter
- Double layers PCB board.
- Configurable input voltage ranges (90-280VAC/170-280VAC) via LCD setting
- Display accumulated working time
- 3 steps charging algorithm
- Auto restart while AC recovery
- Overload & short-circuit protection, Battery reverse polarity protection, Deep discharge protection
- Advanced technology optimizes battery life
- Body with light strip and backlight display
- Automatic line-to-battery switchover
- 80cm Battery cables 12AWG\*2

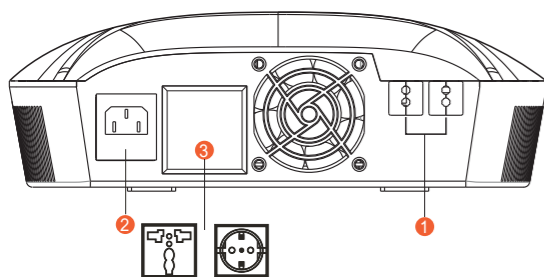
### Introduction:

EP1100 Pro 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
- 6. SET KEY
- 7. UP AND DOWN KEY
- 8. ENTER KEY



- 1. DC Input Connector (Battery Terminal)
- 2. AC Input
- 3. AC Output Socket(s)

### Inverter Connection



### Back Panel



### Specification

MODEL		EP11-1200	EP11-2400
Nominal Battery System Voltage		12VDC	24VDC
INVERTER OUTPUT	Rated Power	1200VA/720W	
	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	
Typical Transfer Time	Typical 15~20ms 40ms max		
AC INPUT	Voltage	230VAC	
	Selectable Voltage Range	Narrow	170~280VAC
		Wide	90~280VAC
Frequency Range	50Hz/60Hz (Auto sensing)		
BATTERY	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 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	
CHARGER	Charging Current 10A	10A±2A	
	Charging Current 20A	20A±2A	
	Overcharge Protection S.D.	16VDC ±0.4A	32VDC ±0.8A
	Nominal Input Frequency	50Hz or 60Hz	
BYPASS & PROTECTION	Overload Protection (SMPS Load)	FUSE	
	Output Short Circuit Protection	FUSE	
	Bypass Fuse Rating	10A	
	Max Bypass Current	10Amp	
	MECHANICAL SPECIFICATIONS	Dimensions (W*H*D)	246*253*87mm
Net Weight (kg)		2.3Kg	
Shipping Dimensions(W*H*D)		315*368*145mm	
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	

\* 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
1400		1.4	2.8	5.6