

# LC-0800-12 / LC-0800-24 / LC-1600-24 / LC-2400-24

800W / 1600W / 2400W LCD Pure Sine Wave Power Inverter with built-in AC charger

## Character:

- ★ LCD display
- ★ Multistage charger
- ★ Fast Action AC Synchronized Transfer Switch
- ★ Microprocessor based design
- ★ Heat-Sink built in internal
- ★ Soft Start
- ★ AVR design
- ★ Input & Output isolated
- ★ Auto temperature control fan
- ★ Reverse polarity protection / by fuse / diodes /
- ★ Output short circuit protection
- ★ Temperature protection
- ★ Overload protection
- ★ Input low voltage protection
- ★ Input high voltage protection
- ★ Low battery alarm
- ★ Low battery shut-down



## Description:

- ☆ PURE SINE WAVE inverter with built in AC Charger and LCD Display
- ☆ Connect batteries and operate it as UPS.
- ☆ This unit will be a UPS unit.

## Specifications:

Model No.	LC-0800-12	LC-0800-24	LC-1600-24	LC-2400-24
Output Power Continuous	800W		1600W	2400W
Max. Surge Power	1600W		3200W	4800W
<b>1. Input Section</b>				
Input Nominal Voltage	110Vac or 220Vac			
Input Voltage Range	60V~140Vac or 120V~280Vac			
Line Low Transfer	60Vac ± 2% or 120Vac ± 2%			
Line Low Return	65Vac ± 2% or 130Vac ± 2%			
Line High Transfer	140Vac ± 2% or 280Vac ± 2%			
Line High Return	130Vac ± 2% or 260Vac ± 2%			
Input Frequency	50Hz / 60Hz (45Hz~70Hz)			
<b>2. Output Section</b>				
Output Voltage	100 / 110 / 115 / 120Vac or 200 / 220 / 230 / 240Vac re-settable via LCD panel			
Waveform	Pure Sine Wave			
Voltage Regulation (Batt. Mode)	< 3% RMS for entire battery voltage range			
Output Frequency	50Hz or 60Hz ± 0.1Hz			
Efficiency	> 75%		> 80%	> 80%
Maximum Load	Up to short circuit			
Asymmetrical Load Max.	Up to nominal output power			
Overload and Short Circuit Protection	Automatic disconnection			
Overheating Temperature Protection	Acoustic warning before shut-off. Automatic restart			
Power Factor	0.8			
<b>3. Battery Section</b>				
Voltage Range	12VDC (10~16VDC)	24VDC (20~32VDC)	24VDC (20~32VDC)	24VDC (20~32VDC)
Backup Time (at full load)	Long time available			
Input Frequency Range	45~70Hz			
Max. Charging Current (5 steps selectable for 12V) (3 steps selectable for 24V)	> 40Amp	60 / 80 / 100Amp	60 / 80 / 100Amp	60 / 80 / 100Amp
<b>4. Display</b>				
LCD Display	UPS status, I/P & O/P Voltage Frequency, Load%, Battery Voltage & %, Temperature, Model			
LED Display	Normal (Green), Warning (Yellow), Fault (Red)			
<b>5. Audible Alarm</b>				
Battery Mode	Beeping every 4 seconds			
Low Battery	Beeping every second			
Overload	Beeping twice per second			
Temperature Compensation (Option)	3mV / °C cell			
<b>6. General date</b>				
AC By Pass Time (UPS Mode)	< 8 ms.			
Operation Temperature	-20 °C to +55 °C			
Audible Noise	Less than 55dBA (at 1M)			
Relative Humidity	0-95% non-condensing			
Dimensions (L x W x H mm)	400 x 298 x 155		450 x 298 x 190	450 x 298 x 190
Weight (by Kg/s)	14.00		21.00	23.00