

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

## 800W / 1600W / 2400W LCD Pure Sine Wave Power Inverter with built-in AC charger and fixed 50A Solar charger controller

### Character:

- ★ LCD display
- ★ 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 Inverters with LCD Display
- ☆ It is appropriate for the motor, fan, pump and inductive loads.
- ☆ Motor makes noise with modified sine wave but pure sine wave is fine to work.

### Specification:

Model No.	SLU-0800-12	SLU-0800-24	SLU-1600-24	SLU-2400-24
Output Power Continuous	800W		1600W	2400W
Max. Surge Power	1600W		3200W	4800W
<b>1. Input Section</b>				
Input Nominal Voltage	120Vac 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	Auto 50Hz / 60Hz (45Hz~75Hz)			
<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	ADJ. 50Hz or 60Hz ± 0.1Hz			
Total Harmonic Distortion Output THD	< 3%			
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			
LCD Display	UPS status, I/P & O/P Voltage Frequency, Load%, Battery Voltage & %, Temperature, Model			
LED Display	Normal (Green), Warning (Yellow), Fault (Red)			
Maximum Efficiency	85~92%			
<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. Solar Charge Regulator-Floating</b>				
Battery Voltage	12VDC	24VDC	24VDC	24VDC
Charging Voltage	13.8VDC	27.7VDC	27.7VDC	27.7VDC
Solar Max. Peak Voltage	25.0VDC	50.0VDC	50.0VDC	50.0VDC
Solar Charging Working Voltage	12VDC	24VDC	24VDC	24VDC
Maximum Charging Current	50A			
<b>5. Audible Alarm</b>				
Battery Mode	Beeping every 4 seconds			
Low Battery	Beeping every second			
Solar Inverter Fault	Beeping continuously			
Overload	Beeping twice per second			
Temperature Compensation (Option)	3mV / °C cell			
<b>6. General date</b>				
AC By Pass Time (UPS Mode)	<10ms max			
Operation Temperature	-20°C to +55°C			
Max Current at Transfer Relay	40A / AC 220V	40A / AC 220V	20A / AC 220V	40A / AC 220V
Audible Noise	Less than 55dBA (at 1M)			
Relative Humidity	0-95% non-condensing			
Accessory	DC cable (option)			
Dimensions (L x W x H mm)	400 x 298 x 155		450 x 298 x 190	450 x 298 x 190
Net Weight (by Kg/s)	14.00		21.00	23.00