SLU-4000-24 / SLU-6000-48 / SLU-8000-48

4000W / 6000W / 8000W 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-4000-24	SLU-6000-48	SLU-8000-48
Output Power Continuous	4000W	6000W	8000W
Max. Surge Power	8000W	12000W	16000W
1. Input Section			
Input Nominal Voltage	120Vac or 220Vac		220 / 230 / 240Vac
Input Voltage Range	60V~140Vac or 120V~280Vac		120V~280Vac
Line Low Transfer	60Vac ± 2% or 120Vac ±2%		120Vac ± 2%
Line Low Return	65Vac ± 2% or 130Vac ± 2%		130Vac ± 2%
Line High Transfer	140Vac ± 2% or 280Vac ± 2%		280Vac ± 2%
Line High Return	130Vac ± 2% or 260Vac ± 2%		260Vac ± 2%
Input Frequency	50Hz or 60Hz (45Hz~75Hz)		
2. Output Section			
Output Voltage	100 / 110 / 115 / 120Vac or 200 / 220 / 230 / 240Vac re-settable via LCD panel		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		
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	1.0	1.0
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	> 80%		
3. Battery Section			
Voltage Range	24VDC (20~32VDC)	48VDC	48VDC
Backup Time (at full load)	Long time available		
Input Frequency Range	45~70Hz		
Max. Charging Current (3 steps selectable)	60 / 80 / 100Amp	60 / 80 / 100Amp	60 / 80 / 100Amp
4. Solar Charge Regulator-Floating			
Battery Voltage	24V	48V	48V
Charging Voltage	27.7V	55.2V	55.2V
Solar Max. Peak Voltage	50.0V	100V	100V
Solar Charging Working Voltage	24.0V	44.0V	44.0V
Max. Charging Current	50A	50A	50A
5. Audible Alarm			
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		
6. General date			
AC By Pass Time (UPS Mode)	<10ms max		
Operation Temperature	-20 °C to +55 °C		
Audible Noise	Less than 55dBA (at 1M)		
Relative Humidity	0-95% non-condensing		
Accessory	DC cable (option)		
Dimensions (L x W x H mm)	600 x 415 x 260	600 x 415 x 260	600 x 415 x 260
Net Weight (by Kg/s)	49.20	51.40	55.00