

Features

- All in one design: Bi-direction inverter and charger
- 4 stage charging function
- Up to 12KW AC bypass capability
- Intelligent software for power management: Power sharing and generator function
- Fan controls by load and temperature
- -20°C~40°C full load operation without derating
- UL458 & Supplement SA / UL1741 / FCC approved



MODEL		SL-2000-112	
Inverter Mode	DC Input Characteristics	Nominal Voltage	12VDC
		Input Voltage Range	9~17VDC $\pm 0.3V$
		Absolute Max. DC Input	25VDC
		HBCO / HBCI (High Battery Cut Out / In)	17VDC $\pm 0.3V$
		LBCO / LBCI (Low Battery Cut Out / In)	9VDC $\pm 0.3V$
		Input Over Voltage Protection	16.5~17VDC *
		Input Under Voltage Protection	9~10.5VDC *
		Max. DC Input Current	267ADC
		AC Relay Transfer Time	< 16 msec
	AC Output Characteristics	No Load Power Consumption	25W
		Stand-By Power Consumption	< 5W
		Output Voltage	120VAC $\pm 5\%$ ($\leq$ Continuous Power)
		Continuous Output Power	2000W (VA)
		Surge Power (Real Watts)	5 sec. 3400W (Tentative)
			30 sec. 3200W (Tentative)
			5 min. 2900W (Tentative)
			30 min. 2300W (Tentative)
		Output Waveform	Pure Sine Wave (THD < 5%)
Charger Mode	AC Input Characteristics	Frequency	60Hz $\pm 0.1Hz$
		Efficiency (Max.)	> 90% (Peak)
		Short-Circuit Protection	Yes
		AC Input Voltage Range	80~140 VAC $\pm 5\%$ (120VAC nominal)
		AC Input Frequency Range	53~67 Hz
		AC Nominal Current	15A
	DC Output Characteristics	AC Input Current Range	5~50A *
		Charger Efficiency (Peak)	85%
		Power Factor Correction (PFC)	> 0.97
		Charging Current Range	0~100A *
		Battery Temperature Compensation	25 mV per °C
		Four-Stage Charging	Bulk, Absorb, Final (Float / Multi / Silent), Equalize *

* Set by remote control

MODEL		SL-2000-112	
Charger Mode	Protection	Battery Temperature Protection	By a RJ-11 connector to battery Temperature sensor
	Equalization Characteristics	Max. Output Voltage	16VDC
		Max. Output Current	10A
Environment	Bypass Switch	Relay Specification (Max. Each Input)	AC 50Amp
	Working Temperature Range	Full Load	-20°C ~ 40°C
		Power De-rating	60W / °C, 41 ~ 60°C (Tentative)
		Storage	-30°C ~ 70°C
	Working Humidity Range	Over Temperature Protection	Sensor on transformer, MOSFETs, battery, and internal ambient
Safety & EMC	Safety Standards	—	Certified UL458 & Supplement SA / UL1741
	EMC Standards	—	Certified FCC class B
Control & Signal	Remote Control (Optional)	—	CR-16B / CR-20
	Ground Relay	—	Default setting is open. User may connect Neutral to ground at inverter mode if necessary, as ground relay is included in SL series
	LED Indicator	—	Charger-Inverter mode / Fault information
Other	Dimension (WxHxD)	—	321X203X349 mm / 12.64x7.99x13.74 inch
	Net Weight	—	17.6kg

Mechanical Drawings

Unit: mm [inch]

