

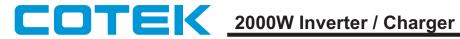
## Features:

- The unit is equipped with a self diagnosis microprocessor that is able to identify and show all failure messages on the LED/LCD display, with associated visual/audio alarms
- Can use parallel with the grid AC
- Battery charger current 100A max. @12VDC
- Equalization function for the batteries.
- Built in 50A rated bypass switch.
- Power sharing functions.
- Intelligent software for power management
- Hard-wire connection model option.
- Loading and temperature controlled cooling fan
- Local and remote management and control
- **RS-232 communication**
- By a dry contact terminal
- Advanced protection features :
- DC input over/under voltage protection
- Internal over temperature, battery over temperature and heat sink over temperature
- Inverter AC output overload protection
- Inverter AC output short circuit protection
- AC input short circuit protection: Breaker (50Amp)
- AC input under / over voltage protection





Electical		Specification Item	SL-2000-112
		Nominal Voltage	12 VDC
		Absolute Max. DC Input	25 VDC
	Input	HBCO/HBCI (High Battery Cut Out/In)	17 VDC±0.3V
		LBCO/LBCI (Low Battery Cut Out/In)	
		Input Voltage Range	9 ~ 17 VDC±0.3V
		Input Over-Voltage Protection	16.5 ~ 17 VDC
		Input Under-Voltage Protection	9 ~ 10.5 VDC
		Max. DC input current	267ADC
		AC Relay Transfer Time	<16 msec
		No Load Power Consumption	25W
Inverter Mode		Stand-By Power Consumption	<5W
	Output	Continuous Output Power	2000 VA
		Surge Power (real watts)	5 sec : 3400 (Tentative)
			30 sec : 3200 (Tentative)
			5 min : 2900 (Tentative)
			30 min : 2300 (Tentative)
		Frequency	60 Hz ± 0.1
		Output Voltage	120 VAC ±5% (≤ Continuous Power)
		Max. Efficiency	>90%
		Short-Circuit Protection	Yes
		Output Waveform	Pure Sine Wave (THD < 5%)
	Charger	Battery Temperature Protection	By a RJ-11 connector to battery temperature sensor
		AC Input Voltage Range	80 ~ 140 VAC±5% (120VAC nominal)
		AC Input Frequency Range	50 ~ 70 Hz
		AC Input Current Range	5 ~ 50A*
Charger Mode		AC Nominal Current	15A
		Charger Efficiency (Peak)	85%
		Power Factor Correction(PFC)	>0.97 (50% Load)
		Charging Current Range	0 ~ 100A
		<b>Battery Temperature Compensation</b>	25 mV per °C
		Four-stage charging	Bulk, Absorb, Float, Equalize*
	Equalization	Max. Output Voltage	16VDC
		Max. Output Current	10A
	Bypass Switch	Switch Specification (Max. each input)	AC 50 Amp
Note	e		*Setting by remote control



Electical	Specification Item	SL-2000-112
	Full Load	-20 ~ 40°C
Operating TemperatureRange	Power De-rating	60W / °C, -41 ~ 60°C (Tentative)
Operating reinperaturertange	Storage	-30 ~ 70°C
	Over-temperature Protection	Sensor On Transformer, MOSFETs, Battery, and Internal ambient
Operating Humidity Range	0 ~ 95%Non-condensing	
Ground Relay	Default is open, Use may connect neutral to ground at inverter mode if necessary, as ground relay is included in SL series	
Machanical Specification	Dimension (WxHxD)	321x203x349 mm / 12.638x7.992x13.74 inch
Mechanical Spectification	Net Weight	17.6 kg / 38.71Lbs
	Safety Standards	Certified UL458 & Supplement SA / UL1741
Safety & EMS	EMC Standards	Certified FCC Class B

## **Mechanical Drawings:**



