

Features:

- True sine wave output (THD < 2%)
- Standard 19" 1U Rackmount
- A microprocessor controls all diagnostics and operation
- User-Friendly LCD and LED Display
- Dry contact for system alarm
- RS-232 communication port
- High Efficiency >90% (Full linear load at 220VAC Output)
- Selectable On-line/Off-line modes
- Built in AC transfer switch and AC breaker
- Dual AC outlets output connection
- Fan aging, failure, disconnection and blockage alarm
- Internal over temperature protection
- Input polarity reverse / under voltage / over voltage protections
- Output short circuit / overload protections
- Loading and temperature controlled cooling fan
- Remote control



	Model No.	SR1000-124	SR1000-148	SR1000-224	SR1000-248
Input Characteristics	Voltage	24VDC	48VDC	24VDC	48VDC
	Input Over-Voltage Protection	30~34VDC	60~68VDC	30~34VDC	60~68VDC
	Input Under-Voltage Protection	18~22VDC	36~44VDC	18~22VDC	36~44VDC
	Voltage Range	18~30VDC	36~60VDC	18~30VDC	36~60VDC
	No Load Current	1.14A	0.55A	1.04A	0.5A
Output Characteristics	Continuous Output Power	1000W			
	Maximum output Power (3 Min)	1100W			
	Surge Power	2000W			
	Frequency	47~63 HZ +/-0.05% (User-selectable)			
	Output Voltage	97~123 VAC (User selectable)		194~246 VAC (User select table)	
	Efficiency (Full Load)	87%	88%	90%	91%
	Short-Circuit Protection	Yes, lpk			
	Output Waveform	Pure Sine Wave (THD < 2%)			
Signal and Control	LCD Panel	2 Lines LCD Panel with keypad for navigation			
	LED Indicator	Red / Orange / Green LED			
	Dry Contact Terminal	BY a relay			
	Remote Control Terminal	Controls the inverter ON / OFF operation			
Protection	Input Protection	Over / Under Voltage, Reverse Polarity (Internal Fuse)			
	AC Output Protection	Short-Circuit, Overload			
	AC Input Protection	12 Amp Circuit Breaker		6 Amp Circuit Breaker	
	Temperature Protection	Shutdown (Internal temperature $\geq 65^{\circ}\text{C}$)			
Transfer Relay	Relay Specification	12 Amp / 250 VAC			
	By pass relay	On Line/off Line (Haphazard, Normal, Exacting) selectable			
	Switching Time	From AC bypass mode(off-line Mode): $\leq 9\text{mS}$ From DC to AC inverter mode(on-line Mode): $\leq 7\text{mS}$			
Operating Temperature	Full Load	0 $^{\circ}\text{C}$ ~ 50 $^{\circ}\text{C}$			
	Storage	-30 $^{\circ}\text{C}$ ~ 70 $^{\circ}\text{C}$			
Fan Operation and Indicator	Failure Indication	Buzzer alarm and dry contact			
	Switches On when	Internal Temperature $\geq 55^{\circ}\text{C}$ or Load $\geq 30\%$			
	Switches Off when	Internal Temperature $\leq 45^{\circ}\text{C}$ and Load $\leq 20\%$			
Mechanical Specification	Size (W X H X D)	19"x1.71"x13.6"(482.6mmx43.5mmx345mm)			
	Weight	5.8Kgs (12.7Lbs)			
Safety and EMS	Safety Standards	Compliance to UL 60950		Compliance to EN 60950-1	
				EN55022:1998+A1: 2000+A2:2003 Class B	
				EN55024:1997+A1: 2001+A2:2003	
	EMC Standards	FCC Class B		EN61000-3-2:2000 Class A	
				EN61000-3-3:1995+A1:2001	