

- 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.	SR1K-124	SR1K-148	SR1K-224	SR1K-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 selec 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°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 9mS From DC to AC inverter mode(on-line Mode): \leq 7mS				
Operating Temperature	Full Load	0°C ~ 50°C				
	Storage	-30°C ~ 70°C				
Fan Operation and Indicator	Failure Indication	Buzzer alarm and dry contact				
	Switches On when	Internal Temperature \geq 55°C or Load \geq 30%				
	Switches Off when	Internal Temperature \leq 45°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				