

SR1000T Standalone Inverters



Eaton SR1000T Standalone Inverter is designed for use in telecommunication applications where a very reliable AC supply is required.

SR1000T rack mounted inverter provides 1000W of reliable AC power in a 1U x 19" rack mount package that includes a built-in transfer switch (TS). The TS automatically and instantaneously switches the AC output, from the DC inverter to an alternative source such as AC mains (and back again), providing extra security of the AC supply to the load equipment.

SR1000T uses digital microprocessor control to provide maximum performance under all operating conditions. The built-in controller gives realtime system status through comprehensive LCD / LED displays, and allows program setting

Features

- Pure sine wave output (THD < 2 %)
- Standard 19" 1U rack mount
- User-friendly LCM module
- Dry contact for system alarm
- RS-232 communication port
- Selectable on-line / off-line modes
- Built in AC transfer switch and AC breaker
- Hard-wire or dual AC outlet output connection
- Fan failure alarm with buzzer
- Input protection: Reverse polarity (fuse) / Under voltage / Over voltage
- Output protection: Short circuit / Over temperature
- UL / CE / FCC approved



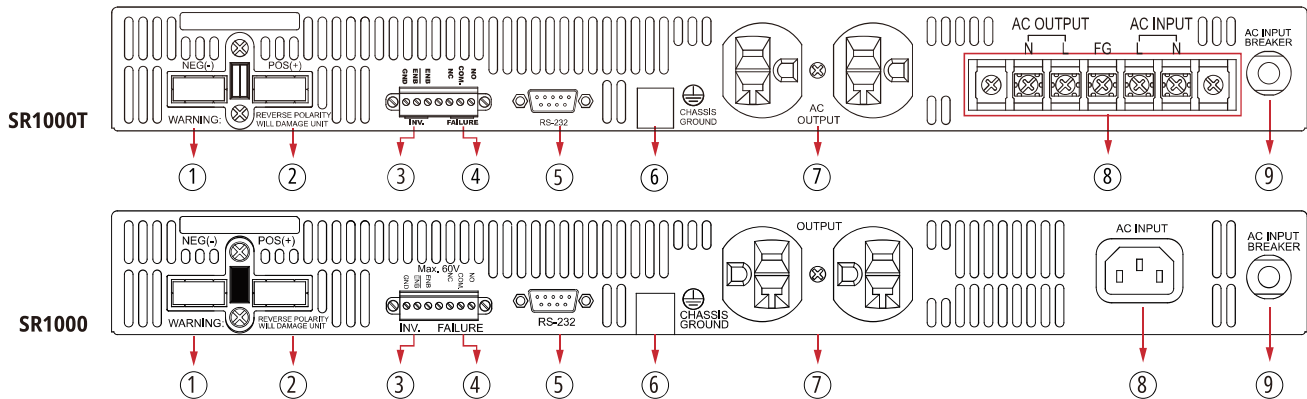
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Technical specifications

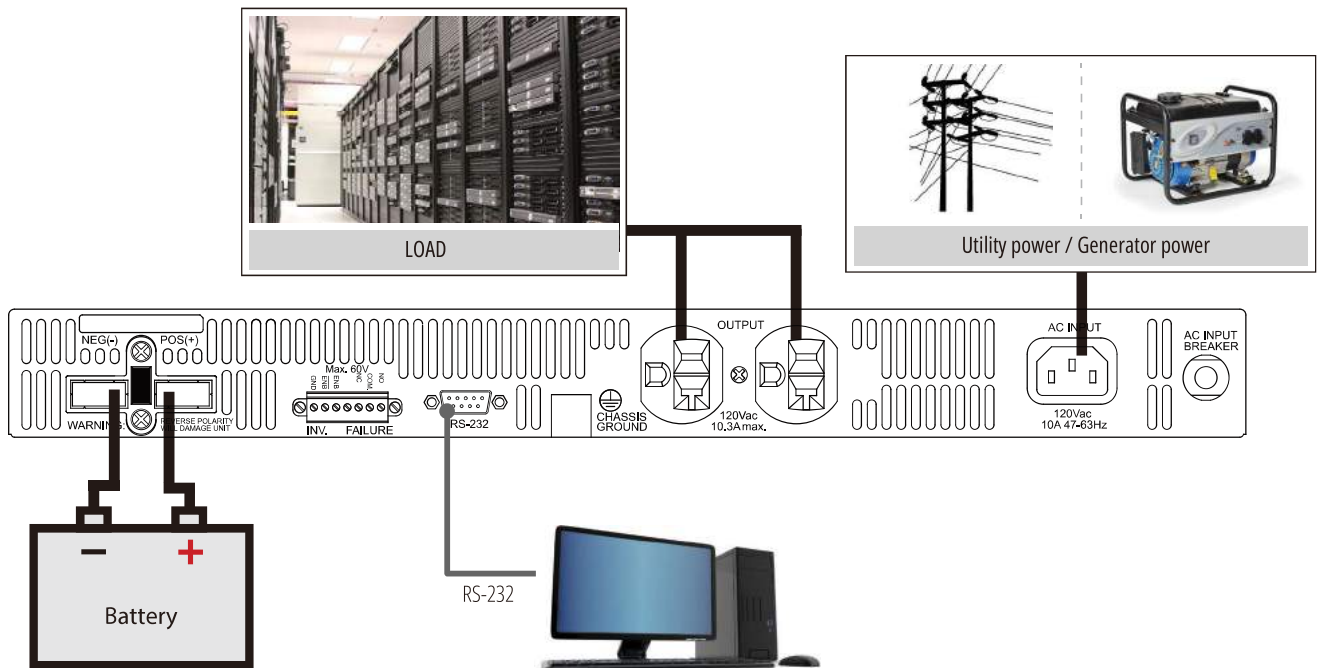
SR-1000T-124		SR-1000T-148		SR-1000T-224		SR-1000T-248	
Output							
Continuous output power	1000 W						
Max. Output power (3 Min.)	1100 W						
Surge power	2000 W						
Frequency	47 ~ 63 Hz ± 0.5 % (User selectable)						
Output voltage	97 ~ 123 VAC (User selectable)				194 ~ 246 VAC (User selectable)		
Efficiency (full load)	87 %		88 %		90 %		91 %
Output waveform	Pure Sine Wave (THD < 2 %)						
Input							
DC voltage	24 VDC		48 VDC		24 VDC		48 VDC
Voltage range	18 ~ 34 VDC		36 ~ 68 VDC / 36 ~ 60 VDC (Only UL)		18 ~ 34 VDC		36 ~ 68 VDC / 36 ~ 60 VDC (Only UL)
No load current	1.4 A		0.75 A		1.3 A		0.7 A
Control & Signal							
LCD Panel	2-line LCD Panel						
LED Indicator	Input voltage level, output load level and faulty status						
Dry contact terminal	By relay						
Remote control port	RJ-11						
Protection							
Input protection	Over voltage / Under voltage / Reverse polarity (Fuse)						
AC Output protection	Short circuit / Overload / Over temperature						
AC Input protection	12 Amp Circuit breaker				6 AMP Circuit breaker		
Bypass Relay							
Relay specification	15 Amp / 120 VAC, 10 Amp / 250 VAC						
Bypass relay selectable	On line / Off line (Haphazard, Normal, Exacting) selectable						
Switching time	From AC bypass mode (Off-line mode): ≤ 20 ms / From DC to AC inverter mode (on-line mode): ≤ 8 ms (Exacting mode)						
Environment							
Working temp. (Full load)	0 °C ~ 50 °C						
Storage temp.	-30 °C ~ 70 °C						
Safety EMC							
Safety standards	UL62368-1				EN62368-1		
EMC standards	FCC class B				EN 55032: 2015+A11:2020 EN 55035: 2017+A11:2020		
Others							
Failure indication	Buzzer alarm and dry contact						
Dimension (W x H x D)	483 x 44 x 345 mm / 19.02 x 1.73 x 13.58 inch						
Packing	7.46 kg; 2 pcs / 15.9 kg / 1.74 CUFT						
Cooling	Thermal and load control fan						
Application	Focus on telecommunication (base-station), networking (data center) and battery backup systems						

Product layout (rear)



- ① DC Input negative(-)
 - ② DC Input positive(+)
 - ③ Remote contact terminal
 - ④ Dry contact terminal
 - ⑤ Standard RS-232
 - ⑥ Chassis ground
 - ⑦ AC Output socket*
 - ⑧ Upper : AC Input terminal
Lower : AC Input IEC socket*
 - ⑨ AC Output breaker
- * AC socket type may differ between regions

Product installation



Note: Rear of SR1000 shown



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