



## SR1000T Standalone Inverters



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

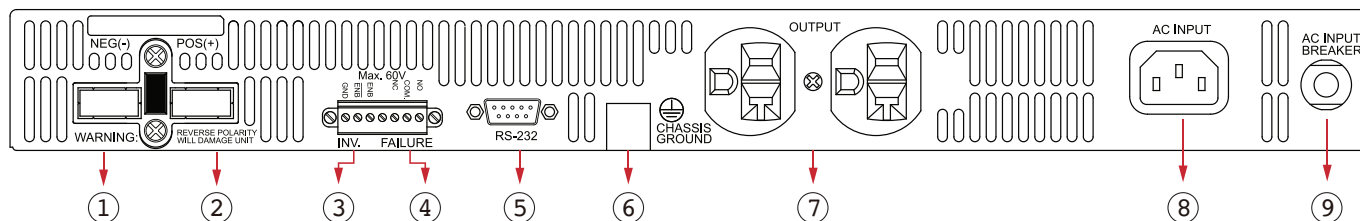


## Technical Specifications

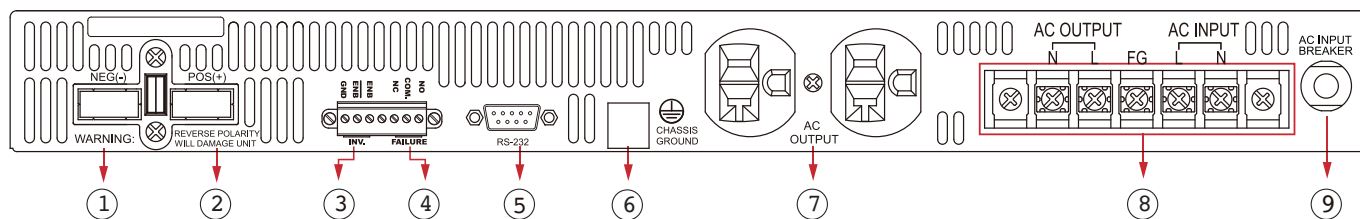
	SR-1000T-124	SR-1000T-148	SR-1000T-224	SR-1000T-248
<b>Output</b>				
Continuous output power	1000 W			
Max. Output power (3 Min.)	1100 W			
Surge power	2000 W			
Frequency	47 ~ 63 Hz ± 0.5 % (User selectable)			
Output voltage	97 ~ 123 VAC (User selectable)		194 ~ 246 VAC (User selectable)	
Efficiency (full load)	87 %	88 %	90 %	91%
Output waveform	Pure Sine Wave (THD < 2 %)			
<b>Input</b>				
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
<b>Control &amp; Signal</b>				
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			
<b>Protection</b>				
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	
<b>Bypass Relay</b>				
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)			
<b>Environment</b>				
Working temp. (Full load)	0 oC ~ 50 oC			
Storage temp.	-30 oC ~ 70 oC			
<b>Safety EMC</b>				
Safety standards	UL62368-1			
EMC standards	FCC class B		EN 55032 class B; EN 61000-3-2, -3-3 EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11	
<b>Others</b>				
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)

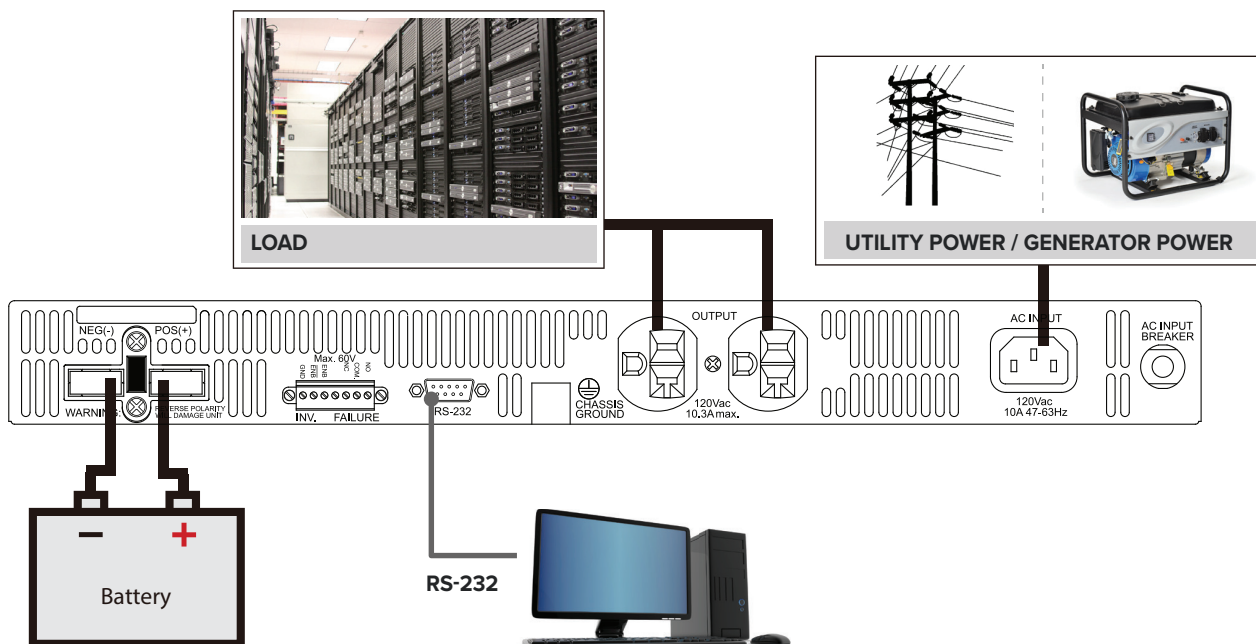
### SR1000



### SR1000T



- 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 IEC socket\*  
Lower : AC Input terminal
  - ⑨ AC Output breaker
- \* AC socket type may differ between regions



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