



SY-RT Series 1-10kVA Rack Mounted UPS

Power range

1 - 10 kVA

Phase

Single phase grounding

Application areas

Widely applied in government, finance, communication, education, transportation, climate, broadcasting television, industry.
Various industries such as taxation, healthcare, energy and electricity.

Performance characteristics

- Truly achieving online dual conversion
- Microprocessor control technology ensures high reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110 V to 300 V)
- Efficient frequency conversion mode
- ECO mode provides energy-saving effect (limited to 1-3K models only)
- Compatible with generator input
- The charging current of the long-lasting model reaches 6A





Model		SYRT-1103
Capacity		3000VA/2400W
INPUT		
Nominal voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC
Input voltage range		55-145 VAC or 110-300 VAC at 50% load 85-140 VAC or 160-280 VAC at 100% load
Frequency range		40Hz ~ 70 Hz
Power factor		≥ 0.99 @ 100% load
OUTPUT		
Rated voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC
Voltage range (Battery mode)		± 1%
Frequency range (Synchronous correction range)		47~ 53 Hz or 57 ~ 63 Hz
Frequency range (Battery mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz
Current peak ratio		3:1
Harmonic distortion		≤ 3% THD (linear load); ≤ 5% THD (Nonlinear Load)
Time	Switching from mains mode to battery mode	Not have
	Reverse to bypass	4 milliseconds (under standard conditions)
Waveform (Battery mode)		Pure sine wave
EFFICIENCY		
AC mode		90%
Battery mode		88%
BATTERY		
Standard Model	Battery type	12 V / 7 AH
	Numbers	6
	Standard charging time	Charge to 90% in 4 hours
	Maximum charging current	1.0A (maximum)
	Charging Voltage	82.1 VDC ±1%
	Backup time	4-5mins
Long-run Model	Battery type	Match multiple battery boxes according to actual applications
	Numbers	68
	Standard charging time	1.0A/2.0A/4.0A/6.0 A
	Maximum charging current	82.1 VDC ± 1% 109.4VDC ± 1%
INDICATORS		
LCD or LED display		Load size, battery capacity, mains mode, battery mode, bypass mode, fault indication
ALARM		
Battery mode		Sound every 4 seconds
Low battery		Sound once every second
Overload		Sound once every second
Fault		Continuous ringing
PHYSICAL		
Standard machine	D * W * H (mm)	630 x 438 x 88 [2U]
	Net weight (kg)	25.6
Long lasting machine	D * W * H (mm)	410 x 438 x 88 [2U]
	Net weight (kg)	9.6
ENVIRONMENT		
Temperature and humidity		Relative humidity 20-90% and temperature 0-40 ° C (non condensing)
Noise		Less than 50dBA @ 1 meter
MANAGEMENT		
Intelligent RS-232/optional USB		Supports Windows ® 2000/2003/XP/Vista/2008, Windows ® 7/8, Linux, Unix, and MAC
Optional SNMP		Power management supports SNMP management and network management

*When the UPS is set to constant voltage and frequency mode, the output power will be reduced by 40%. When the output voltage of the UPS is set to 208VAC, the output power will be reduced by 10%.

**When the number of internal batteries is changed to 16-19, the machine will reduce the output according to the following formula: P=Prating X (N/20 x 100%).

***If the machine is installed at an altitude exceeding 1000 meters, the output power will decrease by 1% for every 100 meters increa

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