

# SY-RT Series Winner Pro+ Rack Tower/Rackmount Online UPS

Power range

1 - 10 kVA

Phase

Single phase with ground

Application area

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



SYRTWinner Pro+  
1KRT(L)/2KRT(L)/3KRT(L)



SYRTWinner Pro+6KR (L)



SYRTWinner Pro+10KR (L)

Performance characteristics

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage range
- Converter mode available
- ECO mode for energy saving only available for 1-3K models
- Generator compatible
- Adjustable charging current via LCD or software (1A~6A)
- Emergency power off function (EPO) only available for 6K/10K models
- Comprehensive display allows easy monitoring and access of UPS status

Specification

Model		SYRTWinner Pro+1kVA		SYRTWinner Pro+2kVA		SYRTWinner Pro+3kVA		SYRTWinner Pro+6kVA		SYRTWinner Pro+10kVA	
Capacity		1000VA/900W		2000VA/1800W		3000VA/2700W		6000VA/5400W		10000VA/9000W	
		INPUT									
Nominal voltage		110/115/120/127VAC or 208/220/230/240VAC						208/220/230/240VAC			
Input voltage range		60-145 VAC or 120-300 VAC (Based on load at 50%) 90-145 VAC or 180-300 VAC (Based on load at 100%)						110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)			
Frequency range		40Hz ~ 70 Hz						46~54 Hz or 56~64 Hz			
Power factor		≥ 0.99 @ 100% load									
		OUTPUT									
Output voltage		110/115/120/127VAC or 208/220/230/240VAC						208/220/230/240VAC			
Voltage regulation		± 1%									
Frequency range (Synchronized range)		47~ 53 Hz or 57 ~ 63 Hz						46Hz ~ 54 Hz or 56Hz ~ 64 Hz			
Frequency range (Battery mode)		50 Hz or 60Hz ± 0.5%						50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current crest ratio		3:1									
Harmonic distortion		≤ 3% THD (Linear Load); ≤ 6% THD (Nonlinear Load)						≤ 3% THD(Linear Load);≤ 5% THD(Non-linear Load)			
Transfer Time	AC mode to battery mode	Not have						0 ms			
	Inverter to bypass	4 milliseconds (under standard conditions)						0ms			
Waveform (battery mode)		Pure sinewave									
		EFFICIENCY									
AC mode		88%		89%		90%		92%		93%	
Battery mode		83%		87%		88%		90%		91%	
		BATTERY									
Standard Model	Battery type	12 V / 9 AH		12 V / 9 AH		12 V / 9 AH		12 V / 9 AH			
	Numbers	2	3	4		6		16	20	16	20
	Typical Recharge Time	Charge to 90% in 4 hours						9 hours recover to 90% capacity			
	Charging Current (max.)	1.0A (maximum)						1A/2A (Adjustable)			
	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7 VDC ±1%		82.1 VDC ±1%		218.4 VDC ± 1%	273VDC ± 1%	218.4 VDC ± 1%	273VDC ± 1%
Long-run Model	Battery type	Match multiple battery boxes according to actual applications									
	Numbers	3		6		6		16 ~ 20 (Adjustable)			
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A						1A/2A/4A/6A (Adjustable, 6A is only available for 16 pcs batteries)			
	Charging Voltage	41.0 VDC ±1%		82.1 VDC ±1%		82.1 VDC±1%		218.4 VDC ± 1% (Based on 16 pcs batteries)			
		INDICATORS									
LCD		Load size, battery capacity, mains mode, battery mode, bypass mode, fault indication									
		ALARM									
Battery mode		Sounding every 4 seconds									
Low battery		Sounding every second									
Overload		Sounding twice every second									
Fault		Continuously sounding									
		PHYSICAL									
Standard Model	D * W * H (mm)	310 x 438 x 88	410 x 438 x 88			630 x 438 x 88		UPS Unit: 500x438x88 [2U] Battery Pack: 668x438x88 [2U]	UPS Unit: 500x438x88 [2U] Battery Pack: 580x438x133 [3U]	UPS Unit: 500x438x133 [2U] Battery Pack: 580x438x133 [3U]	
	Net weight (kg)	12	14.1	19		29.3		UPS Unit:15 Battery pack:48	UPS Unit: 15 Battery Pack: 61	UPS Unit: 18 Battery Pack: 51	UPS Unit: 18 Battery Pack: 61
Long backup time model	D * W * H (mm)	310 x 438 x 88		410 x 438 x 88		410 x 438 x 88		500 x 438 x 88 [2U]		580 x 438 x 133 [3U]	
	Net weight (kg)	9		12		14.2		15		18	
		ENVIRONMENT									
Humidity		Relative humidity 20-90% and temperature 0-40 ° C (non condensing)						0-95% RH @ 0-40°C (non-condensing)			
Noise level		Less than 50dB @ 1 Meter						Less than 55dBA @ 1 meter		Less than 58dBA @ 1 meter	
		MANAGEMENT									
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC									
Optional SNMP		Power management from SNMP manager and web browser									

\*1-3KVA: Derate to 70% of capacity in Frequency converter mode or when the output voltage is adjusted to 208VAC

\*\*6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC

\*\*\*Long-run model is only available in 208/220/230/240VAC systems.