

SY-T Series Winner Pro+ Online Tower 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.



Performance characteristics

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage
- Converter mode available
- ECO mode for energy saving only available for 1-3KVA models
- Adjustable battery numbers
- Generator compatible
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status



SYT6k/10k SYT6kL/10kL SYT3k SYT2k(L)/3kL SYT1k(L)

Specification

Model		SYTWinner Pro+1kVA		SYTWinner Pro+2kVA		SYTWinner Pro+3kVA		SYTWinner Pro+6kVA		SYTWinner 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						46Hz ~ 54 Hz or 56Hz ~ 64 Hz			
Power Factor		≥ 0.99 @ Nominall Voltage (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 or 60Hz ± 0.1 Hz			
Current Crest Ratio		3:1									
Harmonic Distortion		≤ 3% THD (linear load), ≤ 6% THD (Non-linear load)						≤ 3% THD (Linear load); ≤ 5% THD (Non-linear Load)			
Transfer Time	AC Mode to Battery Mode	Zero									
	Inverter to Bypass	4 ms (Typical)						Zero			
Waveform (Battery mode)		Pure sine wave									
		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	6		16	20	16	20
	Typical Recharge Time	4 hours recover to 90% capacity						9 hours recover to 90% capacity			
	Charging Current (max.)	1 A						1A / 2A			
	Charging Voltage	27.4 VDC ±1%	41.0 VDC ±1%	54.7 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%		218.4 VDC ± 1%	273VDC ± 1%	218.4 VDC ± 1%	273VDC ± 1%
Long-run Model	Battery type	Depending on 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 16pcs batteries)			
	Charging Voltage	41.0 VDC ±1%		82.1 VDC ±1%		82.1 VDC ±1%		273 VDC ±1% (Based on 20pcs batteries)			
		INDICATORS									
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators									
		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)	282 x 145 x 220	397 x 145 x 220	397 x 145 x 220	421 x 190 x 318	421 x 190 x 318		369 x 190 x 688	442 x 190 x 688		
	Net weight (kg)	9.8	11.4	17	26.2	27.6		61	74	66	76
Long-run Model	D * W * H (mm)	282 x 145 x 220		397 x 145 x 220				369 x 190 x 318		442 x 190 x 318	
	Net weight (kg)	4.4		6.8		7.6		12		16	
		ENVIRONMENT									
Humidity		20-90 % RH @ 0- 40°C (Non-condensing)						0-95% RH @ 0-50°C (non-condensing)		0-95% RH @ 0-40°C (non-condensing)	
Noise Level		Less than 50dB @ 1 meter						Less than 55dB @ 1 meter		Less than 58dB @ 1 meter	
		MANAGEMENT									
Smart RS-232 / 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									

*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.