

SY-T Series 10KVA/15KVA/20KVA/30KVA Three In Single Out Tower UPS

Power range

10 - 30 kVA

Phase

Three in single out

Application areas

Small data rooms, network equipment rooms, bank outlets, small clinics and community health service centers, small communication base stations, campus network centers, multimedia classrooms, etc.



Performance characteristics

- Truly achieving online dual conversion
- Output power factor 0.8
- Wide input range of mains power (190V-520V)
- 50 Hz frequency converter mode
- ECO mode provides energy-saving effect (ECO)
- Emergency shutdown function (EPO)
- Compatible with engine input
- The charger capacity can be extended to 8A for longer operation time
- Multiple communication options including SNMP, USB, and RS-232
- Three stage charging design optimizes battery performance
- Optional maintenance bypass switch
- Compatible with single input



SYT10KVA

SYT15/20KVA

SYT30KVA

Specification

Model		SYT10kVA		SYT15kVA		SYT20kVA		SYT30kVA	
Capacity		10kVA/8kW		15kVA/12kW		20kVA/16kW		30kVA/24kW	
		INPUT							
Nominal voltage		3 x 400 VAC (3Ph+N)							
Input voltage range		190-520 VAC (3-phase) @ 50% load 305-520 VAC (3-phase) @ 100% load							
Frequency range		46~54 Hz or 56~64 Hz							
		OUTPUT							
Rated voltage		208/220/230/240VAC							
Voltage range (battery mode)		± 1%							
Frequency range (Synchronous correction range)		46~54 Hz @ 50Hz system/56~64 Hz @ 60Hz system							
Frequency range (Battery mode)		50 Hz ± 0.2 Hz or 60 Hz ± 0.2 Hz							
Current peak ratio		3: 1 (maximum)							
Harmonic distortion		≤ 3% THD (linear load); ≤ 5% THD (Nonlinear Load)							
Transfer Time	AC mode to battery mode	Zero							
	Inverter to bypass	Zero							
Waveform (battery mode)		Pure sinewave							
		EFFICIENCY							
AC mode		91%				93%		91%	
Battery mode		91%				87%		88%	
		BATTERY							
Standard Model	Battery type	12 V / 9 AH							
	Numbers	16 cells	20 cells	16 cells	20 cells	16 cells	20 cells		
	Typical Recharge Time	9 hours recover to 90% capacity							
	Charging Current (max.)	Preset 1A, 1A/2A/4A adjustable							
	Charging Voltage	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%		
Long-run Model	Battery type	Depends on the applicant							
	Numbers	16 cells	20 cells	16 cells	20 cells	16 cells	20 cells	16 cells	
	Charging Current (max.)	Preset 4A, 1A/2A/4A (adjustable)						12A	
	Charging Voltage	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	
		INDICATORS							
LCD display		System status, load size, battery capacity, mains mode, battery mode, bypass mode, input/output voltage, 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)	442 x 190 x 688				575 x 190 x 688			
	Net weight (kg)	66	76	67	78	74	85		
Long-run Model	D * W * H (mm)	442 x 190 x 318		592 x 250 x 576		592 x 250 x 576		815 x 250 x 826	
	Net weight (kg)	15		23.8		29.9		64	
		ENVIRONMENT							
Temperature and humidity		Relative humidity 0-95% and temperature 0-40 ° C (non condensing)							
Noise		Less than 60dBA @ 1 meter							
		MANAGEMENT							
Smart RS-232 / USB		Supports Windows * 2000/2003/XP/Vista/2008, Windows * 7/8, LinuxUnix, 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%.

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