

SY-T Series 10-60kVA High Frequency Tower UPS

Power range

10 - 60 kVA

Phase

Three phase four wire input/Three phase four wire output

Application area

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



60KL/80KL

30K(L)/40K(L)

10K(L)/15K(L)/20K(L)

Specification

Model		SYT10kVA	SYT20kVA	SYT30kVA	SYT40kVA	SYT60kVA
Capacity		10kVA 10kW	20kVA 20kW	30kVA 30kW	40kVA 40kW	60kVA 60kW
Rated Voltage		3 phase in 3 phase out /4 phase in 1 phase out/ single phase in single phase out, (optional)			Three-phase four-wire	
		INPUT				
Rated Voltage		3x360/380/400/415 VAC (3 phase+N+PE)				
Voltage Range		110-300 VAC @50% load; 176-276 VAC @100% load				
Frequency Range		40 ~ 70 Hz				
Power Factor		≥ 0.99@100 %Load				
Harmonic Distortion (THDI)		Linear load<4%				
		OUTPUT				
Output Voltage		3 x 360/380/400/415 VAC(3PH+N)				
Output accuracy (battery mode)		± 1%				
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz				
FrequencyRange (Battery mode)		50/60 Hz ± 0.1%				
Current Crest Ratio		3:1 (max.)				
Harmonic Distortion (THDv)		≤2 % THD (Linear Load) ; ≤5 % THD (Non-linear Load)				
Transfer Time	AC Mode to Battery Mode	None				
	Inverter to Bypass	None				
Waveform (Battery mode)		Pure Sinewave				
Overload Capacity		100-110% 60 minutes, 111-125% 10 minutes, 126% -150% 1 minute, >150%400ms				
		BYPASS				
Rated Voltage		3 x 380/400/415 VAC(3PH+N)				
Voltage Range		-30% ~ +20%(Adjustable)				
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz				
Overload Capacity		>130% 1 minute				
		BATTERY				
Standard Model	Battery Type	12 V / 9 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	Not Supported
	Quantity	(10+10)	(16+16)	(16+16)*2	(16+16)*2	
	Charging Capacity	9 hours to restore to 90% capacity				
	Charging Current (max.)	1A		2A		
	Charging Voltage	±136.5VDC		±218VDC		
Long-run Model	Battery type	Depends on the capacity of the external battery				
	Quantity	±8~±10 (adjustable) ±16~±20 (optional)	±16~±20(adjustable)			
	Charging Current (max.)	1A~12A (Optional)				1A to 18A (adjustable)
	Charging Voltage	±13.65V*N (n=8~10)		±13.65V*N(n=16 ~ 20)		
		INDICATORS				
LCD Display		UPS status, load capacity, battery capacity, input/output voltage, discharge time and fault indication				
		EFFICIENCY				
Mains Power Mode		95.5%				
ECO Mode		98.5%				
Battery Mode		94.5%				
		PHYSICAL				
Standard Model	D * W * H (mm)	630 x 250 x 827		815 x 300 x 1000		Not supported
	Net weight (kg)	93	125	207	233	
Long backup time model	D * W * H (mm)	630 x 250 x 827		815 x 300 x 1000		
	Net weight (kg)	37	40	55	56	89
		ENVIRONMENT				
Operating Humidity		0-40℃				
Altitude		0 ~ 1500m when fully loaded				
Noise Level		Less than 60dB@1 m		Less than 63dB@1 m		Less than 75dB@1 m
		MANAGEMENT				
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC				
Optional SNMP		Power management supports SNMP management and network management				

*When the output voltage is set to 3x360VAC, the output is derated to 90%.
**If the UPS is installed or used at an altitude higher than the maximum altitude, the output power is reduced by 1% for every 100m.
Product specifications are subject to change without prior notice.