

SY-T Series 100-300kVA High Frequency Tower UPS

Power range

100 - 300 kVA

Phase

Three phase input / Three-phase output

Application area

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



Displaying from different angles



Front



Inside



Back

Specification

Model	SYT100kVA	SYT120kVA	SYT180kVA	SYT200kVA	SYT240kVA	SYT300kVA
Capacity	100kVA/100kW	120kVA/120kW	180kVA/180kW	200kVA/200kW	240kVA/240kW	300kVA/300kW
Type	External Battery					
Parallel quantity	4				2	
	INPUT					
Nominal Voltage	3x380/400/415VAC (3ph + N)					
Voltage Range	110-300VAC -50% load; 176-276VAC-100% load					
Frequency	50/60Hz (Automatic detection)					
Frequency Range	40Hz ~ 70Hz					
Power Factor	≥ 0.99 @100 %Load					
Harmonic Distortion (THDI)	< 4% @100 %Load					
	OUTPUT					
Nominal Voltage	3 x 380/400/415 VAC(3PH+N)					
Voltage Regulation (Steady State)	≤± 1% nominal (balanced load) ≤± 2% nominal (unbalanced load)					
Frequency	50/60Hz					
Frequency Range (Synchronization Range)	46 ~ 54 Hz or 56 ~ 64 Hz					
Overload Capacity	100-110% 60 minutes, 111-125% 10 minutes, 126% -150% 1 minute, >150%200ms					
Harmonic Distortion	≤ 2% THD (Linear Load); ≤ 4% THD (Nonlinear Load)					
	BYPASS					
Rated Voltage	3 x 380/400/415 VAC(3PH+N)					
Voltage Range	-30% ~ +20%					
Frequency Range (Synchronization Range)	46 ~ 54 Hz or 56 ~ 64 Hz					
Overload Capacity	100-110% 60 minutes, 111-125% 10 minutes, 126% -150% 1 minute, >150%200ms					
	BATTERY / CHARGING					
Nominal Voltage	+/-192V ~ +/-240V (Optional)					
Maximum Voltage	+/-240V (12V x 40 pieces)					
Minimum Voltage	+/-192V (12V x 32 pieces)					
Float Charging Voltage	2.28V/battery cell (2.25 ~ 2.33 optional)					
Uniform Charging Voltage	2.35V/battery unit					
Temperature Compensation	Support					
Maximum Charging Current (Per Power Module)	24A (Adjustable)	36A (Adjustable)	54A (Adjustable)	54A (Adjustable)	72A (Adjustable)	90A (Adjustable)
	EFFICIENCY					
AC Mode	95.5%					
ECO Mode	98.5%					
Battery Mode	94.5%					
	PHYSICAL					
IP Degree	IP20					
Cabinet Size D x W x H (mm)	1000*430*1200	1000*430*1200	1000*600*1200	1000*600*1200	1100*600*1475	1100*600*1475
Net Weight (kg)	169	169	249	249	360	396
	ENVIRONMENT					
Operate Temperature	0-40℃					
Relative Humidity	<95% non condensing					
Altitude	Nominal power<1000m					
	MANAGEMENT					
Smart RS-232 / USB	Supports Windows® Family, Linux and MAC					
Optional SNMP	SNMP card and browser power management					
	EXECUTION STANDARDS					
Safety	IEC/EN 62040-1					
Electromagnetic Compatibility	IEC/EN 62040-2 Category C3					

**If the UPS is installed or used at an altitude higher than the maximum altitude, the output capacity will be reduced by 1% for every 100m. Product specifications are subject to change without prior notice.