

# SY-T Series 1KVA/2KVA/3KVA Online UPS

## Power range

1 - 3 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.





SYT2K  
SYT3K

SYT1K  
SYT1.5K

### Performance characteristics

- High efficiency: 92% for 1kva, 93% for 2kva, 94% for 3kva
- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction 0.99
- Output power factor 1.0
- 50/60 Hz Frequency Converter Mode
- Wide input voltage (110 V - 300 V)
- ECO mode for energy saving
- Smart battery charger design to optimize battery performance
- Comprehensive display allows easy monitoring and access of UPS status
- SNMP/USB/RS-232 multiple communications
- Generator compatible

## Specification

Model		SYT1K	SYT2K	SYT3K
Capacity		1000VA/1000W	2000VA/2000W	3000VA/3000W
		INPUT		
Nominal voltage		200*/208*/220/230/240 VAC		
Voltage range		110~300 VAC(Based on load at 50%);160~300 VAC (Based on load at 100%)		
Frequency range		40Hz ~ 70 Hz		
Power factor		≥0.99@ nominal voltage (100% load)		
THDi%		≤5% @ nominal voltage(100% load)		
		OUTPUT		
Output voltage		200*/208*/220/230/240 VAC		
AC Voltage Regulation (Batt. Mode)		± 1%		
Frequency range (Synchronized range)		47~ 53 Hz or 57 ~ 63 Hz		
Frequency range (Battery mode)		50 Hz±0.1 Hz (60Hz±0.1 Hz)		
Current crest ratio		3:1		
Harmonic distortion		≤2%THD (Linear Load); ≤5% THD (Non-linear Load)		
Transfer Time	AC to DC	Zero		
	Inverter to Bypass	4 ms (Typical)		
	ECO to battery mode	8 ms (Typical), 10 ms (max)		
Waveform (battery mode)		Pure sinewave		
		EFFICIENCY		
ECO mode @ full charged battery		96%	97%	
AC Mode @ full charged battery		92%	93%	94%
Battery mode		86%	88%	91%
		BATTERY		
Battery type		12 V / 9 AH	12 V / 9 AH	12 V / 9 AH
Numbers		2	4	6
Typical recharge time		4 hours reco ver to 90% capacity for internal battery		
Charging current(CC)		1.5A		
Charging voltage(FV)		27.4VDC ± 1%	54.8VDC ± 1%	82.2VDC ± 1%
		INDICATORS		
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator Via LCD		
		ALARM		
Battery mode		Sounding every 5 seconds		
Low battery		Sounding every 2 second		
Overload		Sounding every second		
Fault		Continuously sounding		
		PHYSICAL		
Dimension, D x W x H (mm)		282 x 145 x 220		421 x 190 x 318
Net Weight (without battery) (kgs)		9.8	17	26.2
		ENVIRONMENT		
Humidity		20-90 %RH@0-50°C(non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter with Fan speed control		
Altitude		10% de-rating for over 1000m (The altitude should not exceed 3000m)		
		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		
		STANDARD		
EMC/ Safety		CE (EMC:EN62040-2 C2)		

\*Derate capacity to 80% when the output voltage is adjusted to 200VAC/208VAC.  
Product specifications are subject to change without further notice.