

SY-RT High Frequency Rack Mounted UPS

Power range

10 - 60 kVA

Phase

Three in, three out

Application areas

Widely applied in government, finance, communication, education, transportation, meteorology, broadcasting & television, plus taxation, healthcare, energy & power industries.

Performance characteristics

- Pure double conversion technology
- Automatic LCD screen rotation
- (only for 10K-30K models)
- DSP technology ensures high performance
- Output power factor 1.0
- With power factor correction
- 50 Hz/60Hz inverter mode
- With energy-saving working mode (ECO)
- Emergency shutdown function (EPO)
- Support generator
- Support two-way input



High Frequency Rack Mounted UPS (10-60kVA)

- Three-stage charging design to optimize battery performance
- Adjustable number of batteries for long-term operation
- Support shared battery packs
- Optional isolation transformer
- Optional parallel operation
- SNMP+USB+RS-232 multiple communications
- Power walk-in function



High Frequency Rack Mounted UPS (10-60kVA)



Specification

Model		SYRT10kVA	SYRT15kVA	SYRT20kVA	SYRT30kVA	SYRT40kVA	SYRT60kVA
Capacity		10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW
Phase		Three in, three out					
Parallel capacity		4 max					
		INPUT					
Rated voltage		3 x 380 VAC (3PH+N)					
Voltage range		190-520VAC (three-phase) @ 50% load, -305-478VAC (three-phase) @ 100% load					
Frequency range		46 ~ 54 Hz or 56 ~ 64Hz					
Power factor		≥ 0.99 100% load					
		OUTPUT					
Rated voltage		3 x 360*/380/400/415 VAC (3PH+N)					
Output accuracy (battery mode)		± 1%					
Frequency range (synchronous correction range)		46 ~ 54Hz or 56 ~ 64Hz					
Frequency range (battery mode)		50Hz ± 0.1Hz or 60Hz ± 0.1Hz					
Current peak ratio		3: 1 (maximum value)					
Harmonic distortion		≤ 1% THD (linear load) ≤ 3% THD (nonlinear load)					
Transfer Time	AC mode to battery mode	Not have					
	Inverter to bypass	Not have					
Waveform (battery mode)		Pure sine wave					
Overload	AC mode	100% -110% 60 minutes, 110% -125% 10 minutes, 125% -150% 1 minute,>150% immediate protection					
	Battery mode	100% -110% 60 minutes, 110% -125% 10 minutes, 125% -150% 1 minute,>150% immediate protection					
		EFFICIENCY					
AC mode		95.5%					
ECO mode		98.5%					
Battery mode		94.5%					
		BATTERY					
Type		Match multiple battery boxes according to actual applications					
Numbers		20	32 ~ 40 (Adjustable)				
Maximum charging current		1A ~ 12A (Adjustable)				1A ~ 16A (Adjustable)	1A ~ 18A (Adjustable)
Charging Voltage		± 13.65 VDC x N (N=10)	± 13.65 V x N (N = 16 ~ 20)				
		PHYSICAL PROPERTY					
Size Depth * Width * Height (mm)		680 x 438 x 133 [3U]				797 x 438 x 176 [4U]	
Net weight (kg)		27	30	32	40	45	
		ENVIRONMENT					
Temperature and humidity		0-95% relative humidity (non condensing) and temperature 0-40 °C					
Noise		less than 62dB@1 m	less than 65dB@1 m			less than 70dB@1 m	
		MANAGEMENT					
Intelligent RS-232/USB		Supports Windows® series, Linux and MAC					
Optional SNMP		Power management supports SNMP management and network management					

*When the output voltage is set to 3 × 360VAC, the output capacity is reduced to 90%.