



DATASHEET

Rackmount UPS

Data Center On-Line Single-Phase UPS System

Description

An Uninterruptible Power Supply, also called a UPS system or UPS battery backup, protects connected equipment from power problems and provides battery backup power during outages. That is ideal for small data centers, large retail stores, regional offices, and dense power requirements.

Features

- It adopts standard frame structure design.
- Sine wave output: no matter in AC mode or battery mode can provide sine wave power source with low distortion.
- Zero delay: when the utility power is cut off or recover, there is absolutely no time between the transfer of AC mode and battery mode.
- Input null line and fire wire detecting function: it can detect if the null line and fire wire are wrongly connected. It avoids wrong connection of null line and fire wire of UPS AC power input.
- Input power factor correction: UPS can correct the input power factor. Under full load, the input power factor can reach over 0.95.
- Voltage breakthrough protection and strong anti-interference function.

Specifications

Input

MODEL	UPS-1000RT	UPS-2000RT	UPS-3000RT
Rated Capacity	1KVA/800W	2KVA/1600W	3KVA/2400W
Current	6A (max)	12A (max)	16A (max)
Voltage	90 ± 5 - 300 ± 5Vac		
Frequency	40-60Hz @50Hz/50-70Hz @60Hz		
Power Factor	Conformity EN60555-2 (≥0.99)		
Input Phase	Single-Phase		

Output

MODEL	UPS-1000RT	UPS-2000RT	UPS-3000RT
Current	4.55A	9.1A	13.6A
Voltage	220Vac (1 ± 2%)		
Frequency	Line mode: (1) synchronized range 46-54Hz or 54-64Hz; (2) 50Hz/60Hz (line 40-46 or 54-60Hz); Bat mode: 50Hz/60Hz		
Power Factor	0.8 lag		
Waveform	Sine wave		
Waveform Distortion	Linear ≤ 7% when RCD 100% loading (Non-line) Linear ≤ 3% when R 100% loading (line)		

Specifications

Battery

MODEL	UPS-1000RT	UPS-2000RT	UPS-3000RT
External Battery Voltage	36Vdc	72Vdc	96Vdc
External Battery Quantity	3	6	8
Expandable Runtime		Yes	
Type of Battery	Sealed lead acid maintenance-free		

Physical & Environment

MODEL	UPS-1000RT	UPS-2000RT	UPS-3000RT
Dimensions (HxWxD)		88x482x476mm	
Weight		10kg	
Housing Material		Steel	
Operating Temperatures		0-40° C	
Relative temperatures		0-90 (%)	
Altitude		<1500m	

Specifications

Special Features

MODEL	UPS-1000RT	UPS-2000RT	UPS-3000RT
Transfer Time		0 ms	
EMI / RFI AC Noise Suppression		Yes	
Communication		9pin D trpe comector (RS232)	
Overload Protection		>105% <125% → 50s >125% <150% →25s >150% →300ms	



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