



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-6000RT	UPS-10000RT
Rated Capacity	6KVA/4800W	10KVA/8000W
Current	32A (max)	50A (max)
Voltage	120-274Vac	
Frequency	40-60Hz @50Hz/50-70Hz @60Hz	
Power Factor	Conformity EN60555-2 (≥ 0.99)	
Input Phase	Single-Phase	

Output

MODEL	UPS-6000RT	UPS-10000RT
Current	27.3A	45A
Voltage	220Vac (1 \pm 1%)	
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 \leq 7% when RCD 100% loading (Non-line) Linear \leq 3% when R 100% loading (line)	

Specifications

Battery

MODEL	UPS-6000RT	UPS-10000RT
External Battery Voltage	192Vdc/240Vdc	192Vdc/240Vdc
External Battery Quantity	16/20	16/20
Expandable Runtime	Yes	Yes
Type of Battery	Sealed lead acid maintenance-free	

Physical & Environment

MODEL	UPS-6000RT	UPS-10000RT
Weight	20kg	21kg
Dimensions (HxWxD)	132x482x650mm	
Housing Material	Steel	
Operating Temperatures	0-40° C	
Relative temperatures	0-90 (%)	
Altitude	<1500m	

Specifications

Special Features

MODEL	UPS-6000RT	UPS-10000RT
Transfer Time	0 ms	0 ms
EMI / RFI AC Noise Suppression	Yes	Yes
Communication	9pin D trpe comector (RS232)	
Overload Protection	100%-125%, 1 minute to transfer to bypass; >150%, 300ms to transfer to bypass	



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