

RT series of highly reliable power frequency on - line UPS

Description

RT UPS capacity range from 10KVA to 800KVA, the system design and application environment for large-scale key applications, such as IDC, communication center computer room, industrial control and building monitoring and other centralized power supply occasions. RT series UPS for the three into the three out or the three into the single out of the double-conversion power frequency UPS, the standard output isolation transformer, effectively reducing the common mode interference, zero voltage is very low, in line with mainstream IT equipment, zero voltage requirements; CPU processing chip, the whole Digital drive circuit, PBM (professional battery management) smart battery management technology, greatly improving the reliability of the machine; built-in manual bypass, remote management capabilities, greatly reducing the average maintenance time. RT UPS uses advanced DC parallel technology, up to 8, and supports different capacity UPS and machine.

Performance

Performance

Highly reliable UPS design

Advanced dual-processor technology, rapid response, powerful ability to deal with sudden power

Double-conversion pure-line structure design,uninterrupted the provision of pure sinusoidal AC.

Large capacity static bypass, with super overload capacity to enhance the reliability of the machine,

System efficiency is high, ECO working mode efficiency up to 98%

Excellent input characteristics

Input voltage range of $\pm 25\%$ wide, to adapt to harsh power environment, reduce the number of battery discharge, effectively extend the battery life.

Excellent frequency adaptation capability Pressure range ($\pm 10\%$)

With soft start function, easy configuration of the corresponding oil machine.

High quality output

High output voltage accuracy ($380 \pm 1\%$)

Dynamic response is fast, 0 ~ 100% load jump, the voltage transient is less than +5% 10ms recovery

100% three-phase unbalanced load capacity

Output standard isolation transformer, effectively reduce the common mode interference, the output waveform is more pure; optional bypass isolation transformer, input and output completely isolated, zero voltage is very low, more suitable for zero-voltage-sensitive precision load

Intelligent battery management

Intelligent detection of battery discharge characteristics, automatic calculation of backup time.

CPU control stage charge and discharge technology, effectively prevent the current overcharge, undervoltage, to avoid long-term floating charge caused by the battery plate passivation problem, to extend battery life.

Can be set to the battery type (ordinary lead-acid maintenance-free battery, high-rate discharge battery, open battery), targeted battery charge and discharge management.

Flexible and reliable parallel operation mode

Redundant direct parallel, advanced digital current sharing technology significantly reduces flow and current imbalance, making the overall system more stable.

Can be different capacity of the UPS directly in parallel, according to the proportion of load distribution, the actual side of the growth side of the investment.

The distributed bypass system is more reliable and flexible to eliminate single points of failure

While the machine system can share the battery pack without reducing the reliability of the foundation, reducing customer investment (especially long-term backup)

Integrated management program

7 inch touch industrial LCD

Dry contact output optional.

Provide dedicated SNMP card (OT68003 / OT78003) and related software, support SNMP, HTTP, TFTP, TELNET, TCP / IP and other protocols, the equivalent of micro UPS SERVER connected to the user's WAN / LAN, to achieve Internet / Intranet remote control. While supporting the mainstream network management software centralized management

Three-input single-out UPS technical specifications table

model	10KH3I	20KH3I	30KH3I	40KH3I	60KH3I	80KH3I
Rated Capacity	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA
Input characteristics						
The Input voltage	380/400/415VAC Three-phase five-wire system					
Rectifier voltage range	380VAC±25%					
Bypass voltage range	380VAC±25%(Adjustable)					
Input frequency	50/60Hz±10%					
Power factor	≥0.99(When the filter is selected)					
DC voltage	384VDC					
Output characteristics						
The Input voltage	220/230/240VACCan be set single-phase three-wire system					
Output voltage accuracy	220/230/240VAC ±1%					
Output voltage adjustable range	±10%					
Frequency tracking range	Mains normal, automatic synchronization tracking; 50/60±1-2Hz Adjustable					
Crystal frequency	50/60Hz±0.2%					
Harmonic distortion	Linear load THD<2%, Non - linear load THD<5%					
Load factor	0.8 Hysteresis					

Peak factor	3:1					
Overload capacity	125% 10 minutes; 150% 60seconds					
Bypass Overload capacity	5 times the rated current 5 seconds					
HMI						
LCD	7-inch industrial-grade touch true color screen, support in English and Chinese display					
LED	Input AC exception, bypass mode, battery mode, inverter indication					
Communication Interface	RS232, RS485 standard; MOD-BUS protocol converter, SNMP protocol card option					
Emergency shutdown	Optional					
Cold boot button	Optional					
Mechanical indicators						
size (Wide * deep * high)	600*600*1280mm				800*800*1480	
weigh KG	210	245	280	320	446	500
noise (1 meter)	< 55dB (1 meter)				<65dB	
Color	RAL7035 (Other colors are customizable)					
working environment						
Storage temperature	-35~75℃					
Operating temperature	0~50℃ (More than 40 ℃ should be used in derating)					
environment humidity	0~90% No condensation					
Operating height	Altitude of not more than 5000 meters (more than 1500meters according to the provisions of the derating operation)					
cooling method	Forced air cooling					
Safety, electromagnetic compatibility						
IP protection	IP20 (Can be customized to a higher degree of protection)					
Safety	EN62040-1-1					
Implementation of standards	YD/T1095					
Warranty	2years					
Option	Network management card OT68003; SMS Manager OT78003; harmonic filter; bypass isolation transformer; twelve pulse; top protection board					

Three-input Three-out UPS technical specifications table

Parameter

Rated Capacity	10 KVA	20 KVA	30 KVA	40 KVA	60 KVA	80 KVA	100 KVA	120 KVA	160 KVA	200 KVA
Input characteristics										
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Cold boot button	Optional									
Mechanical indicators										
size (Wide * deep * high)	600*600*1280mm				800*800*1480mm		800*800*1800mm		1100*800*1800mm	
weigh KG	210	230	280	330	500	560	800	920	1200	1350
noise (1 meter)	< 55dB (1meter)				<65dB					
Color	RAL7035 (Other colors are customizable)									
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