

BROCHURE



RT ONLINE SERIES RACK TYPE UPS

High Frequency Online 1KVA-20KVA
(Single Phase Inlet and Single Phase Outlet / Three Phase Inlet and
Single Phase Outlet / Three Phase Inlet and Three Phase Outlet)

RT ONLINE SERIES RACK TYPE UPS

Flexible, Reliable And Perfect Compatible Server Cabinet

RT online series rack type UPS is the double transformation online technology, support more than 3 sets parallel work, and support the function of sharing battery pack when in parallel mode; online UPS can provide the optimal power environment of the load. Regardless of voltage accuracy, input noise filtering, zero switching time and compatible with the standard terms of service cabinet, Rack UPS is the best choice.

Character And Advantage

- Support LBS control in sync;
- Have the function of fan speeding control intelligence;
- Comprehensive electrical isolation protection and bypass protection;
- Support bypass maintenance (three phase inlet and single phase outlet / three phase inlet and three phase outlet);
- Large LCD Chinese/English display interface, user friendly;
- Make automatic alarm, self-detection, find problem easily in time come true;
- Three-stage extended charge design to ensure superior battery performance;
- Only online UPS, and output high quality sine wave power that provide the user a better power supply protection;
- Wider range of input voltage that working under large fluctuations grid environment, can be in commercial power mode without switching to battery mode, which can protect the battery lifespan.



1KVA~6KVA



10KVA



10KVA~20KVA

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Design Concept

- **Long Term Power Supply Design**
Rack UPS provide long backup time unit for user's requirements for different backup time.
- **Zero Transition Time**
When the city power outage or recovery, it do not need conversion time for the Rack UPS switching between the power mode and battery mode, thus effectively ensuring the reliability of load operation and data storage.
- **Can be used with Large Motor**
Wide input voltage and frequency range that make Rack UPS compatible with main brand generator. It expand the application environment, meanwhile effectively remove the harmful power made by the generator, also supply a pure, safe and stable power for the load.
- **Input Power Factor Correction**
Rack UPS have input power factor correct function, the input power factor can reach to above 0.99% under full loading condition, which protect use's grid environment from pollution.
- **Configure Smart Slot**
Rack UPS equipped with an intelligent slot, users can purchase SNMP card or other general accessories. Make centralized monitoring and remote management functions come true through SNMP internet management.
- **DC Start**
In the case of power cut, if need to start computer or other load devices by Rack UPS, Rack UPS can use battery to carry on DC Start, so that make the use of Rack UPS more convenient and reliable.
- **Configure Standard Battery Module**
Rack UPS configured standard battery module (for user selection). Standard battery modules are used in high quality VRLA maintenance free lead-acid battery, with high battery quality to ensure the safety and reliability of UPS using.
- **Auto Restart Function**
Once the city power abnormal, it will enter into battery mode to supply power until the end of power supply, then the Rack UPS will shut down automatically; after the city power back to normal, UPS will activate.

RT ONLINE SERIES RACK TYPE UPS

 Technical Data

Model	X1-1101 (L)	X1-1102 (L)	X1-1103 (L)	X1-1106 (L)	X1-1110 (L)		
Capacity	1kVA / 0.8kW	2kVA / 1.6kW	3kVA / 2.4kW	6kVA / 4.8kW	10kVA / 8kW		
Input							
Connection Mode	Single Phase + Ground						
Input Voltage	200/208/220/230/240VAC						
Voltage Range	110~300VAC						
Frequency	40~70Hz						
Power Factor	≥0.99						
Output							
Output Voltage	200/208/220/230/240VAC						
Voltage Regulation	± 1%						
Frequency	Synchronous Correction Range	46~54Hz / 56~64Hz					
	Battery Model	40Hz ± 0.1Hz / 60Hz ± 0.1Hz					
Distortion (THDU)	≤3%						
Peak Coefficient	≥3:1						
Overload Capacity	110%, convey to bypass after 1h; 125, convey to bypass after 10min; 150%, convey to bypass after 1 min.						
Time Switching	Electric City/Battery	0ms					
	Inverter/Bypass	<4ms (standard environment)			0ms		
Battery							
Standard Machine	Battery Cells	2	4	6	/		
	Charging Current	1.0A (Max)				/	
	Battery Model	12V 9AH				/	
Long Lasting	Battery Cells	3	6	8	16 (16-20 optional)		
	Charging Current	1A/2A/4A/6A settable					
	Battery Model	Depends on the applicant					
Control Management							
City Electricity Model	≥91%				≥93%		
Battery Model	≥91%				≥93%		
Display Interface							
LCD/LED	Loading size, battery capacity, city electricity mode, battery mode, bypass mode, fault indication						
Control Management							
Intelligent RS-232/USB	Support Windows 2000/2003/XP/Vista/2008, Windows 7/8, linux, Unix and MAC						
Option SNMP	Support SNMP Internet Management						
Environment							
Temperature	0~40°C						
Relative Humidity	0~95% (Non condensing)						
Noise	<50dB@1m			<55dB@1m	<58dB@1m		
Physical Character							
Standard Machine	Size: Width x Depth x Height (mm)	438 x 310 x 88	438 x 410 x 88	438 x 630 x 88	/	/	
	Net Weight (kg)	12	18	29	/	/	
Long Lasting	Size: Width x Depth x Height (mm)	438 x 310 x 88	438 x 410 x 88		438 x 530 x 88	438 x 580 x 133	
	Net Weight (kg)	5	7	8	12	16	

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 Technical Data

Model	X1-3110 (L)	X1-3115 (L)	X1-3120 (L)
Capacity	10kVA / 8kW	15kVA / 12kW	20kVA / 16kW
Input			
Connection Mode	Single Phase + Ground		
Input Voltage	380/400/415VAC		
Voltage Range	285~520 VAC @ 100% Load ; 176~520 VAC @ 50% Load		
Frequency	40~70Hz		
Power Factor	≥0.99		
Output			
Output Voltage	200/208/220/230/240VAC		
Voltage Regulation	± 1%		
Frequency	Synchronous Correction Range	46~54Hz / 56~64Hz	
	Battery Model	50Hz ± 0.1Hz / 60Hz ± 0.1Hz	
Distortion (THDU)	≤2% (Linear load), ≤3% (Non-linear load)		
Peak Coefficient	-		
Overload Capacity	110%, convey to bypass after 1h; 125, convey to bypass after 10min; 150%, convey to bypass after 1 min.		
Time Switching	Electric City/Battery	0ms	
	Inverter/Bypass	0ms	
Battery			
Standard Machine	Battery Cells	20	
	Charging Current	1A/2A/4A/6A settable	
	Battery Model	Depends on the applicant	
Control Management			
City Electricity Model	≥93%		
Battery Model	≥96%		
Display Interface			
LCD/LED	Loading size, battery capacity, city electricity mode, battery mode, bypass mode, fault indication		
Control Management			
Intelligent RS-232/USB	Support Windows 2000/2003/XP/Vista/2008, Windows 7/8, linux, Unix and MAC		
Option SNMP	Support SNMP Internet Management		
Environment			
Temperature	0~40°C		
Relative Humidity	0~95% (Non condensing)		
Noise	<60dB@1m	<65dB@1m	
Physical Character			
Size: Width x Depth x Height (mm)	438 x 310 x 88	438 x 668 x 266	
Net Weight (kg)	12	45	

RT ONLINE SERIES RACK TYPE UPS

 Technical Data

Model		X1-3310 (L)	X1-3315 (L)	X1-3320 (L)
Capacity		10kVA / 8kW	15kVA / 12kW	20kVA / 16kW
Input				
Connection Mode		Three-phase + four wire		
Input Voltage		380/400/415VAC		
Voltage Range		285~520 VAC @ 100% Load ; 176~520 VAC @ 50% Load		
Frequency		40~70Hz		
Power Factor		≥0.99		
Output				
Output Voltage		380/400/415VAC		
Voltage Regulation		± 1%		
Frequency	Synchronous Correction Range	46~54Hz / 56~64Hz		
	Battery Model	50Hz ± 0.1Hz / 60Hz ± 0.1Hz		
Distortion (THDU)		≤2% (Linear load), ≤3% (Non-linear load)		
Peak Coefficient		≥3:1		
Overload Capacity		110%, convey to bypass after 1h; 125, convey to bypass after 10min; 150%, convey to bypass after 1 min.		
Time Switching	Electric City/Battery	0ms		
	Inverter/Bypass	0ms		
Battery				
Standard Machine	Battery Cells	20		
	Charging Current	1A/2A/4A/6A settable		
	Battery Model	Depends on the applicant		
Control Management				
City Electricity Model		≥93%		
Battery Model		≥96%		
Display Interface				
LCD/LED		Loading size, battery capacity, city electricity mode, battery mode, bypass mode, fault indication		
Control Management				
Intelligent RS-232/USB		Support Windows 2000/2003/XP/Vista/2008, Windows 7/8, linux, Unix and MAC		
Option SNMP		Support SNMP Internet Management		
Environment				
Temperature		0~40°C		
Relative Humidity		0~95% (Non condensing)		
Noise		<60dB@1m	<65dB@1m	
Physical Character				
Size: Width x Depth x Height (mm)		438 x 668 x 266		
Net Weight (kg)		43	46	