

A Series Online UPS



A series 20KVA high-frequency online UPS is a new generation of general-purpose UPS power supply launched by PROSE. It adopts advanced DSP digital control technology, effectively improves product performance and system reliability, and realizes integration and miniaturization of higher power density. At the same time, in order to fully meet the individual needs of users, high-end low-power online UPS power products specially launched for domestic small and medium-sized enterprises and small power supply environments can provide high-reliability power protection for users' departmental servers, small local area networks, workstations, industrial computers, small medical equipment and other small precision electronic instruments.

Small and medium-sized enterprise data room, financial system, small network, industrial automation control system, local area network server, communication base station server, internet cafe, shopping mall cashier, etc.

Characteristic

High Reliability:

- PFC, battery boost, charger and inverter all adopt advanced DSP digital control technology.
- The fan speed changes intelligently with the load rate, which can reduce the noise and prolong the service life of the fan.
- Perfect software and hardware protection function, super self-diagnosis function and rich historical record.
- Advanced digital parallel technology can obtain higher reliability than single machine system.

High Availability:

- Wide input voltage range, adaptive 50Hz/60Hz power grid system, suitable for various environmental power grids:
- Linear derating at low voltage input can reduce the number of battery discharges and prolong the service life of the battery.
- Double-input design can support different sources at the main side and improve the availability of bypass.
- Support 16-20 batteries, the number of batteries can be flexibly configured, saving customers' investment.
- Under the condition of no commercial power, the UPS can be started directly by the battery to meet the emergency demand:
- When the mains supply is unstable, the switching time of UPS power supply mode is zero, so that the output is guaranteed to be uninterrupted.

- Frequency conversion modes supporting 50Hz input /60Hz output and 60Hz input /50Hz output:

High intelligence:

- Support communication interfaces such as RS232, RS485 and dry contact to monitor the running state of UPS.

High Ease of Use:

- LCD display, combined with multi-function key operation, friendly man-machine interface; "Powerful background software, which can set various parameters and other operations.
- The display mode of LCD is randomly different from the installation mode of rack or tower, and it can rotate freely, which is convenient for users to view.
- By simply increasing the backup time of the battery module.

Energy Conservation and Environmental Protection:

- Adopting active power factor correction (PFC) technology, the input power factor is as high as 0.99.
- It has the function of automatic startup and shutdown, which can be automatically started and shut down according to the load set by customers:

Rich Options:

- RS485 and smart card slot are standard, and parallel function, battery temperature compensation and SNMP card are optional.
- RS485 card, dry connection point card, and SMS alarm.

3-Phase Input and 3-Phase Output A Series UPS 20kVA:

Mode		RT20K33LA
Power capacity		20kVA/20000W
Input	Voltage range	305-478VAC (3 Phase) at 100% load (380/400/415VAC)
	Frequency	46-54Hz or 56-64Hz
	Power factor	≥0.99 @ 100% load
Output	Voltage range	3 * 360/380/400/415VAC at 100% load (3 Phase+N)
	Frequency	50/60Hz ±0.1Hz
	Wave form	Sinusoidal wave
	Power factor	1
	Harmonic Distortion	≤ 2 % THD (Linear Load); ≤ 5 % THD (Non-Linear Load)
	Peak value ratio	3: 1
Efficiency		Main Road Mode 95.5%; ECO Mode 98.5%; Battery Mode 94.5%
Battery	Mode	It Depends On External Battery
	Qty	±16 ~±20 (Optional)
	Maximum charging current	1A-2A (Adjustable)
	Maximum charging voltage	±13.65V * N (N=16~20 pcs)
	Dc voltage	±192VDC
Communication mode		RS485、Dry Connection(optional)、Battery Cold Start, SNMP
Option		RS 485, SNMP interface can be inserted and removed, EPO, EBMS
Bypass		Standard configuration
Environment	Temperature	0-40℃
	Humidness	20-90%
Noise		<62 dB @ 1m
Size		680*438*133 (3U)
W*D*H(mm)		
Weight (kg)		29.05kg

Ordering Information

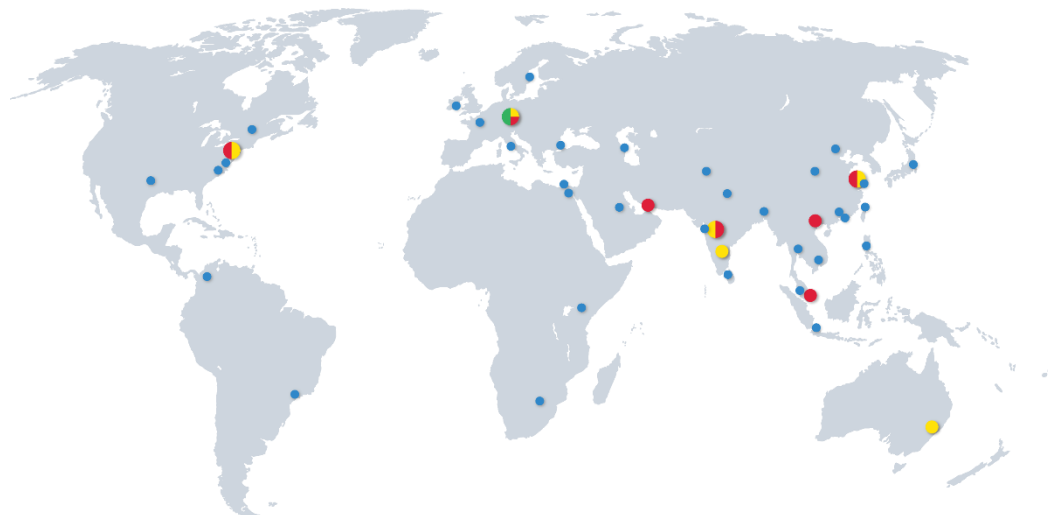
No	PN	Description	Weight
1	RT20K33LA	Rack-Mounted/Tower type online UPS, Input 305-478V, Output 360-415VAC, 20KVA/20KW, 3U, without internal battery	29.05kg

Name Coding

<u>XX</u>	<u>XXXX</u>	<u>XX</u>	<u>X</u>	<u>X</u>
1	2	3	4	5

1: Installation Method	2: Power Capacity	3: Phase	4: Backup	5: Series Number
R: Rack Mounted	1K: 1KVA	11: 1 Phase In, 1 Phase Out	I: Standard UPS (With Internal Battery)	A: A Series
RT: Rack Mounted / Tower Type	2K: 2KVA	31: 3 Phase In, 1 Phase Out	L: Long-Run UPS (Without Internal Battery)	B: B Series
	3K: 3KVA	33: 3 Phase In, 3 Phase Out		C: C Series
	6K: 6KVA			
	10K: 10KVA			
	15K: 15KVA			
	20K: 20KVA			
	30K: 30KVA			

GLOBAL FOOTPRINT



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