

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 1-Phase Output A Series UPS 20kVA:

Mode		RT20K31LA
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

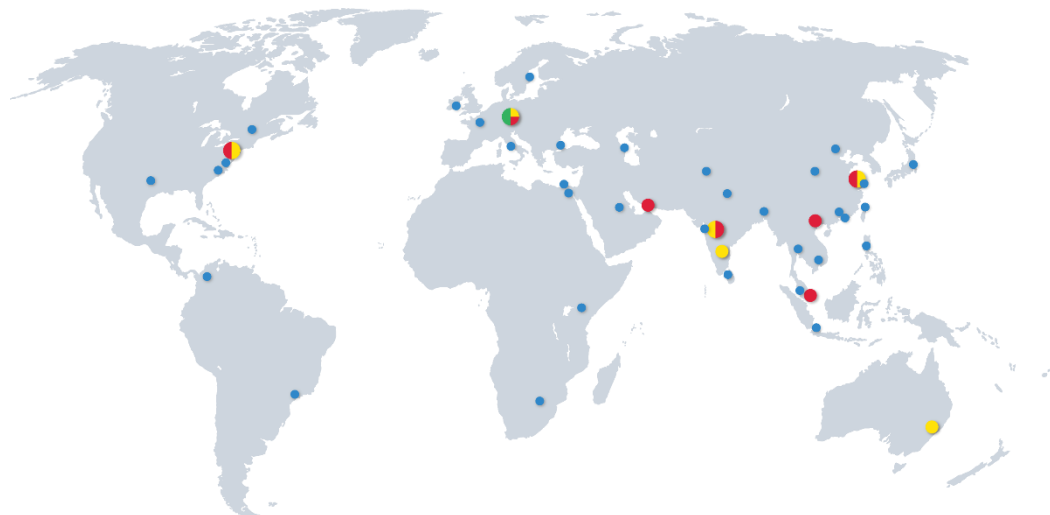
No	PN	Description	Weight
1	RT20K31LA	Rack-Mounted/Tower type online UPS, Input 305-478V, Output 360-415VAC, 20KVA/20KW, 3U, without internal battery	29.05kg

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



Headquarters

Donauwörth - Germany
PROSE Technologies GmbH
Add.: Dr.-Friedrich-Drechsler-Straße 14, 86609
Donauwörth, Germany
E-mail: info.eu@prosetechnologies.com

Western Europe

Dublin - Ireland
PROSE Technologies (Ireland) Limited
Add.: 6th Floor, South Bank House, Barrow Street,
Dublin 4 Ireland
E-mail: Info@prosetechnologies.com

Eastern Europe & Central Asia

E-mail: info.eeca@prosetechnologies.com

North America

New Jersey - America
PROSE Technologies LLC
Add.: 550 Clark Drive Budd Lake, NJ 07828, United
States of America
Tel: +1 888 840 4066
E-mail: info.us@prosetechnologies.com

Middle East

Dubai - UAE
PROSE Technologies DMCC
Add.: 3702, Mazaya Business Avenue BB2, JLT, Dubai
Tel: +971 4 3999168
E-mail: info.ae@prosetechnologies.com

Africa

Nairobi - Kenya
PROSE Technologies Africa (PTY) Ltd
Tel: +254 780440410
E-mail: info.ke@prosetechnologies.com

Gauteng, (Johannesburg) - South Africa
PROSE Technologies Africa (PTY) Ltd
Add.: Building 20, Cambridge Office Park, 5 Bauhinia
Road, Highveld Techno Park Centurion, Gauteng 0169,
South Africa
Mobile: +27 725554840
E-mail: info.za@prosetechnologies.com

South Asia

Mumbai - India
PROSE Technologies India Private Limited
Add.: 403-407, Eco Star, Vishveshwar Nagar,
Goregaon East, Mumbai, India 400063
Tel: +91 22-66453000
E-mail: info.in@prosetechnologies.com

Pune - India
PROSE Technologies India Pvt.Ltd
Add.: A-79, Block-A, Horizon Industrial Parks, Phase II,
MIDC Chakan Industrial Area, Khed, Pune, India
410501
Tel: +91 2135-635200
E-mail: info.in@prosetechnologies.com

Bangalore - India
PROSE Technologies India Private Limited
Add.: No.494 East End Main Road, Jayanagar IX Block,
Bangalore, India 560069
E-mail: info.in@prosetechnologies.com

New Delhi - India
PROSE Technologies India Pvt.Ltd
Add.: H-3/157, 2nd Floor, Vikas Puri, New Delhi, India
110018
E-mail: info.in@prosetechnologies.com

Dhaka - Bangladesh
PROSE Technologies (Bangladesh) Limited
Add.: House-360 (2nd Floor), Lane-5 (East), Baridhara
DOHS, Dhaka-1206, Bangladesh
Tel: +880 1977070130
E-mail: info.bd@prosetechnologies.com

Islamabad - Pakistan
Add.: Unit 514, 5th Floor, ISE Towers, Islamabad,
Pakistan
Tel: +92 3335357733
E-mail: info.pk@prosetechnologies.com

Sri Lanka
Tel: +880 1977070130
E-mail: info.lk@prosetechnologies.com

South East Asia

Selangor - Malaysia
PROSE Technology (M) Sdn. Bhd
Add.: Unit 2-1, Level 2, The Podium, Tower 3, UOA
Business Park, No 1, Jalan Pengaturcara U1/51a,
Seksyen U1, 40150 Shah Alam, Selangor, Malaysia
Tel: +60 126859319
E-mail: info.my@prosetechnologies.com

Bangkok - Thailand
PROSE Technology (Thailand) Co., Ltd
Add.: 349 SJ Infinite I Business Complex, 9 Floor, Room
905, Vibhavadi Rangsit Road, Chom Phon Sun-district,
Chatuchak District, Bangkok Province, Thailand
Tel: +66 80 6606630
E-mail: info.th@prosetechnologies.com

Singapore
PROSE Technologies (Singapore) Pte.Ltd
Add.: 10 Anson Road#13-15 International Plaza
Singapore 079903
Tel: +6598366793
E-mail: info.sg@prosetechnologies.com

Hanoi - Vietnam
PROSE Technologies (Vietnam) Company Limited
Add.: Floor 15, Vinaconex 9 Building, HH-2 Block,
Pham Hung Street, Me Tri Ward, Nam Tu Liem District,
Hanoi, Vietnam
Tel: +84 933086498
E-mail: info.vn@prosetechnologies.com

Taguig - Philippines
PROSE Technologies Philippines, Inc.
Add.: Unit 17 19th Floor Highstreet South Corporate
Plaza Tower 1, 26th Street corner 9th Avenue, Bonifacio
Global City, Taguig City, Philippines
Tel: +63 27572762
E-mail: info.ph@prosetechnologies.com

Jakarta - Indonesia
PT. PROSE Technologies Indonesia
Add.: Plaza Sentral 6th Floor, Jalan Jenderal Sudirman
No. 47, Jakarta 12930, Indonesia
Tel: +62 21 57901997
E-mail: info.id@prosetechnologies.com

East Asia

Suzhou - China
PROSE Technologies (Suzhou) Co.,Ltd
Add.: No. 6, Shen'an Road, DianShanHu, Suzhou,
JiangSu, China
E-mail: Info@prosetechnologies.com

Beijing - China
PROSE Technologies (Beijing) Co.,Ltd
E-mail: Info@prosetechnologies.com

Shanghai - China
PROSE Technologies (Shanghai) Co.,Ltd
E-mail: Info@prosetechnologies.com

Dongguan - China
Add.: Room 1506, building 1, No. 1, Yile Road,
Songshanhu Park, Dongguan City, Guangdong
Province, China
E-mail: Info@prosetechnologies.com

Hongkong - China
PROSE Technologies Company Limited
Add.: Unit B 13/F,Prat Commercial Building, 17-19 Prat
Avenue, Tsimshatsui, Kowloon, HongKong, China
Tel:+86 512 86896789 - 2921/2922
E-mail: info.hk@prosetechnologies.com

Taiwan
Tel: +63 2 7572762
E-mail: info.tw@prosetechnologies.com

Oceania

New South Wales - Australia
PROSE Technologies (Australia) Pty. Ltd
Add.: 5/13 Boundary Rd, Northmead, NSW 2152,
Australia
Tel: +61 2 78055523
E-mail: info.au@prosetechnologies.com