

VT Series Online UPS



The VT Series 20kVA products are PROSE's new generation of high-end UPS power supplies, which adopt advanced dual-core DSP digital control technology to effectively improve product performance and system reliability and achieve higher power density integration and miniaturization. This series of products has excellent electrical performance, perfect hardware and software protection functions, can adapt to different power grid environments, and can provide safe and reliable power supply protection for various loads.

Characteristic

Intelligent Digital Technology

- UPS inverter and PFC adopt the advanced 32-bit high-speed digital signal processor DSP chip as the core control system, which realizes faster data processing and signal control, and greatly improves the performance index and reliability of the whole machine.

Friendly Man-Machine Interface

- With the design of super-large touch screen, the running status, load status, commercial power status and battery status of UPS are clearly displayed on the panel, so that users can keep abreast of the changes of UPS running status and application environment.

Power-On Self-Diagnosis Function

- When powering on and starting up, UPS starts to self-check the key circuits, which can identify the input phase sequence and reverse connection of the positive and negative poles of the battery. In order to find problems in time and eliminate hidden troubles.

50/60Hz Frequency Adaptive Function

- Automatic frequency identification, adapting to 50Hz/60Hz power supply system, and meeting the requirements of global power supply system.

Compatible Generator Input

- The input voltage and frequency range are wide, which can better solve the generator configuration and control, and provide clean, safe, and stable power supply for the load.

And Cold Start and Mains Start Functions.

- In case of abnormal mains supply, the UPS can be started directly by batteries to meet the emergency needs.
- When there is no battery, the UPS can be started directly by commercial power, which can be used as a high precision regulated power supply.

Strong Battery Adjustment Ability

- Support 30-44 batteries, which is more flexible to use.

EPO Emergency Shutdown Function

- When an emergency happens, the UPS can be turned off quickly.

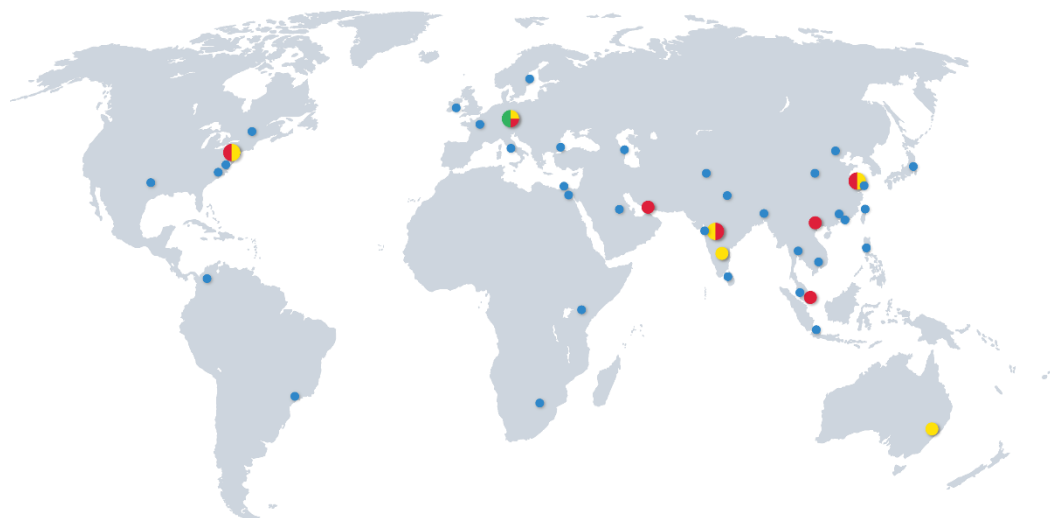
ECO-Economic Operation Mode

- With ECO economic operation mode, it can be more efficient and energy-saving when the power grid is good, and reduce the user's use cost.

1-Phase Input and 1-Phase Output VT Series UPS 20kVA:

Mode		UPS-VT20201-11
Power capacity		20kVA
Cold start function		Yes
Input voltage range		110~288VAC
Input power factor		≥0.99
Frequency range		40-70Hz
Output power factor		1
Output power	Rated voltage	220/230/240VAC
	Dynamic response	≤5%(0%-100%-0%)
	Dynamic recovery	≤10ms(0%-100%-0%)
	Voltage distortion	≤1%THD, Linear load
		≤3%THD, Nonlinear load
Switching time	The main circuit cuts the battery	0
	Inverter bypass	0ms
Peak value ratio		3: 1
Efficiency: Main mode, full battery		0.98
Noise (1m ahead)		<50dB@<70% load; <58dB@>70% load
Overload capacity	Main mode	110%: Switch to bypass after 10 minutes; 130%: Cut to bypass after 1 minute; 150%: The bypass is switched on after 30 seconds. After the bypass is switched on, wait 1 minute, and disable the bypass
	Battery mode	
Battery	Type	Depends on the external battery
	Qty	
	Maximum charging current	5A(12A option)
	Dc voltage	192-288VDC
Communication mode		RS232、SNMP (Option)
Reveal		LED+LCD
Option		Smart card, emergency shutdown, USB (Type B USB port), SNMP card RS485 port
Size W*D*H(mm)		190*485*480
Weight (kg)		33

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

ubai - 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 Bauhina
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 S.J Infinite 1 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