

VT Series Online UPS



The VT Series 1kVA 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.

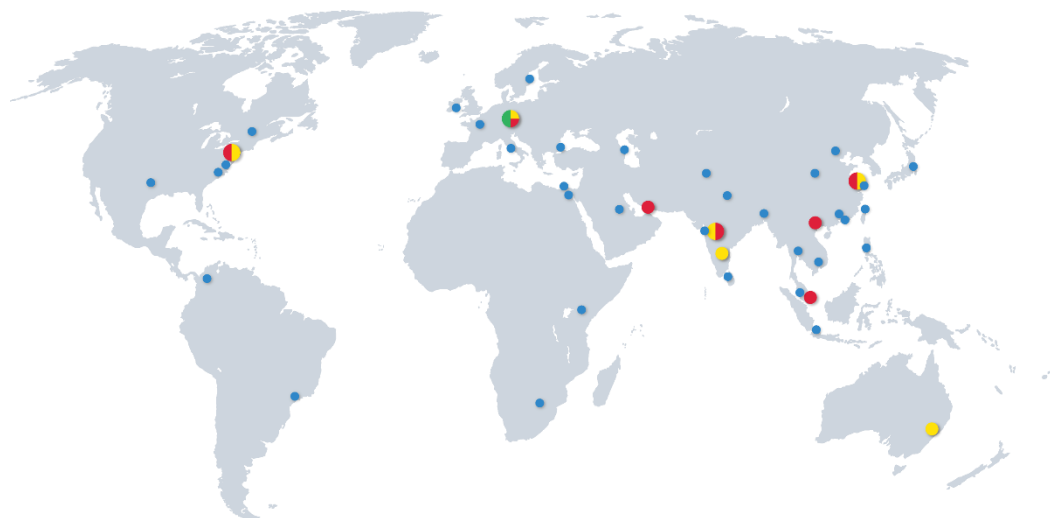
ECO-Economic Operation Mode

- 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 1kVA:

Mode		UPS-VT20012-11
Power capacity		1kVA
Cold start function		Yes
Input voltage range		110~288VAC/100%@>176VAC; 80% load @>154VAC; 70%Q>132VAC; 50% load @>110VAC
Input power factor		≥0.97
Frequency range		40-70Hz
Output power factor		0.9
Output power	Rated voltage	220VAC±1%
	Dynamic response	≤5%(0%-100%-0%)
	Dynamic recovery	≤10ms(0%-100%-0%)
	Voltage distortion	≤2%THD, Linear load
		≤5.5%THD, Nonlinear load
Switching time	The main circuit cuts the battery	0
	Inverter bypass	2ms
Peak value ratio		3: 1
Efficiency: Main mode, full battery		86%
Noise (1m ahead)		<43dB@<60% load, <47dB@>60% load
Overload capacity	Main mode	105%~130%: Bypass is cut after 1 minute; 150% : 30 seconds after the bypass 105%~130% : 10 seconds after the shutdown; 150% : Shut down after 5 seconds
	Battery mode	
Battery	Type	12VDC/9Ah
	Qty	3
	Maximum charging current	1A
	Dc voltage	36VDC
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)		144*353*232
Weight (kg)		12.06

GLOBAL FOOTPRINT



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