

RM Series Online UPS



The RM Series 20kVA 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 environment 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

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.

EPO Emergency Shutdown Function

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

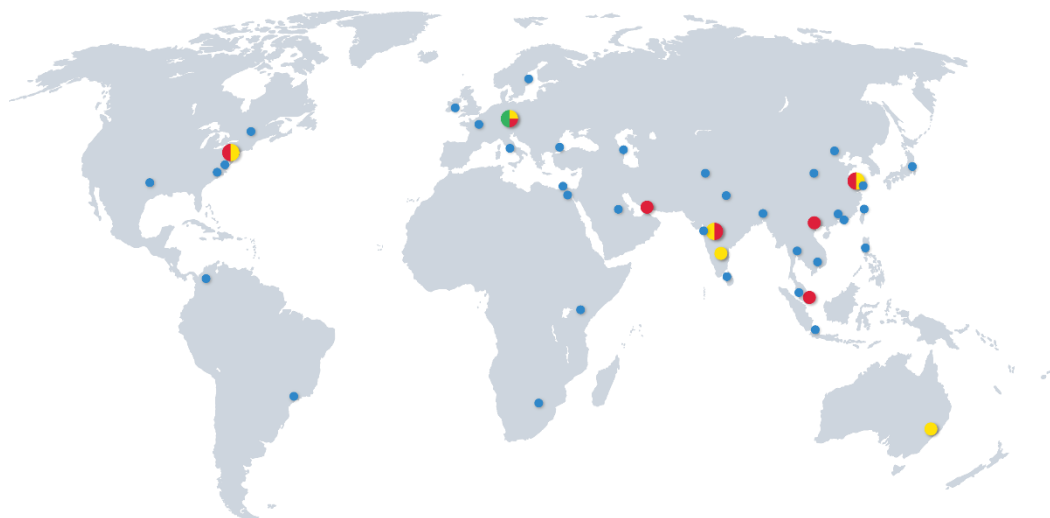
ECO-Economic Operation Mode

- 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.

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

Mode		UPS-RM20201-33
Power capacity		20kVA
Main input	Wire	3-phase +N wire + ground wire
	Voltage	380/400/415VAC (Line voltage)
	Frequency	50/60Hz
	Power factor	>0.99
	Current distortion rate	THDi<4% (100% linear load) THDi<3% (100% linear load)
	Voltage range	304~485VAC (line voltage) full load, 304~138VAC (line voltage), load from 100% to 40% linear derating
	Frequency range	40-70Hz
Battery	Battery voltage	±240VDC[32~44pcs option]
	Charging power	20%* Active Power (Max)
	Charging voltage accuracy	±1%
Bypass	Bypass voltage	380/400/415VAC (Line voltage)
	Voltage range	Limit can be set, the default - 20% ~ + 15%, + 10% and + 15%, + 20% and + 25% lower: 10%, 15%, 20%, 30% 6, - 4096
	Frequency range	50/60Hz (rated power), can be set: 1Hz, ±3Hz, ±5Hz
Output	Rated output voltage	380/400/415VAC (Line voltage)
	Rated frequency	50/60Hz
	Power factor	1
	Voltage accuracy	±1.0%
	Output dynamic response	<5% (20%-80%-20% step load)
	Dynamic recovery time	<30ms (0%-100%-0% step load)
	Output total harmonic distortion (THDu)	<1% (linear load), 5% (nonlinear load)
	Inverter overload	110%, 1 hour after the bypass; 125%, bypass in 10 minutes; 150%, 1 minute to bypass; 150%, transfer to bypass after 200ms
	Frequency accuracy	0.1%
	Tracking range	Configurable, ±0.5Hz-±5Hz, default ±3Hz
	Tracking rate	Configurable, 0.5Hz/S-3Hz/S, default 0.5Hz/S
	Peak value ratio	3: 1
	3-phase phase accuracy	120°±0.5°
System	Main mode efficiency	≥95.5%
	Cell mode efficiency	≥95%
	Reveal	LCD+LED
	IP level	IP20
	Communication interface	RS232, RS485, Dry contact, battery cold start
	Operating temperature	0-40°C
	Storage temperature	-40°C~70°C
	Relative humidity	0-95% (no condensation)
	Noise (dB)	65dB@100%load, 62dB@45%load
	Option	SNMP network communication card and parallel components
Size(W*D*H) mm		485*790*130
Special specification		Depth of the server cabinet ≥1.2 m
Weight (kg)		30

GLOBAL FOOTPRINT



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