

RM Series Online UPS



The RM Series 15kVA 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.

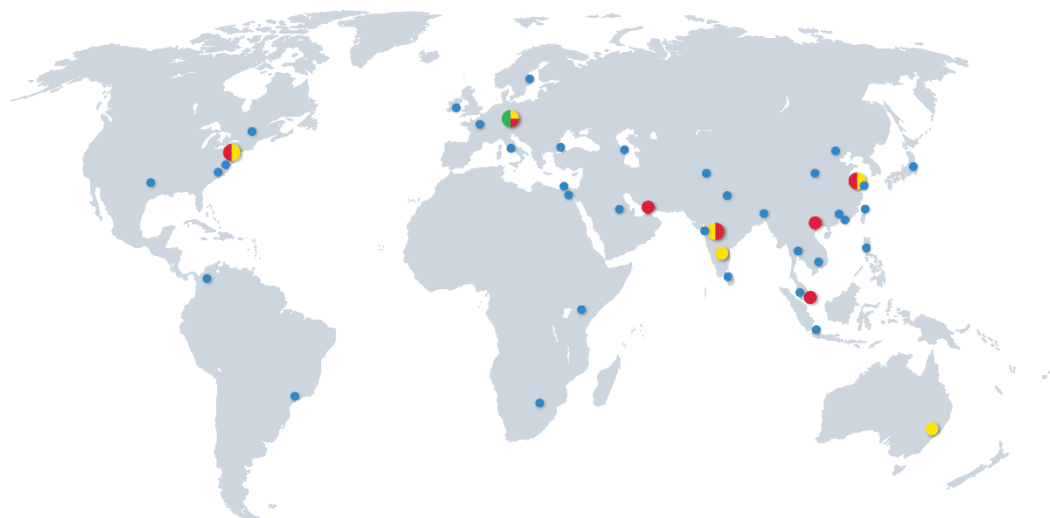
ECO-Economic Operation Mode

- 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 1-Phase Output RM Series UPS 20kVA:

Mode		UPS-RM20201-31
Power capacity		20kVA
Main input	Cold start function	50Hz
	Voltage range	380/400/415VAC(line voltage); 190-499VAC(line voltage) /100% load @ >305VAC; 90% load @ >266VAC; 75% load @ >228VAC; 50% load @ >190VAC;
	Harmonic current	≤4%
	Power factor	≥0.99
	Frequency	40-70Hz
Output	Rated voltage	220/230/240VAC, 200/208VAC(PF=0.9)
	Voltage regulation	±1%
	Voltage harmonic content	≤1%THD linear load, ≤3%THD nonlinear load
	Power factor	1
	Frequency tracking range	±5Hz default, ±1Hz, ±2Hz, ±3Hz, ±4Hz, ±5Hz
	Frequency tracking range	(50±0.1)Hz
	Overload capacity (Inverter mode)	105%-110% : Switch to bypass after 10 minutes; 111%-125% : 1 minute to switch to bypass; 126% to 150% : Switch to bypass after 30 seconds
	Peak value ratio	3: 1
Bypass	Voltage range	Upper limit: 10%/15%/20%/25%@220VAC; Upper limit: 10%/15%/20%/25%@230VAC; Upper limit: 10%/15%/20%/25%@240VAC; Lower limit: 10%/15%/20%/25%/30%/40%;
	Frequency	±1Hz, ±2Hz, ±3Hz, ±4Hz, ±5Hz option
	Overload capacity	<125% long running time; 126%-130% : Shut down after 5 minutes; 131%~150% : Shut down after 1 minute; >150% : Shutdown after 200 ms;
Switching time	Main road to battery	0ms
	Inverter to bypass	0ms
Battery	Qty	16-24pcs option
	Dc voltage	(192VDC-288VDC) option
System	Main mode efficiency	94.2% at 100%load, 95% at 50%load
	ECO mode efficiency	98%
	Noise (dB)	<62dB
	Reveal	LED+LCD
	Communication interface	RS 232, EPO
	Storage temperature	-40-70°C
	Operating temperature	0-40°C
	Humidness	95% temperature non-condensing
	Altitude	<1500m(Full load)
	Option	DB9 dry contact card, parallel card, Type B USB, SNMP card, RS 485, 12A charger
Size W*D*H(mm)		438*744*173(4U)
Special specification		Depth of the server cabinet ≥1 m
Weight (kg)		33

GLOBAL FOOTPRINT



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