

## RM Series Online UPS



RM 6KVA series 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 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

### 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.
- The output power factor is 1, which is 13% higher than that of traditional products.
- Support 16 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.
- The main road efficiency can reach 95% at the highest. When the power grid conditions are good, after the ECO mode is started.
- It has the function of automatic startup and shutdown, which can be automatically started and shut down according to the load set by customers:

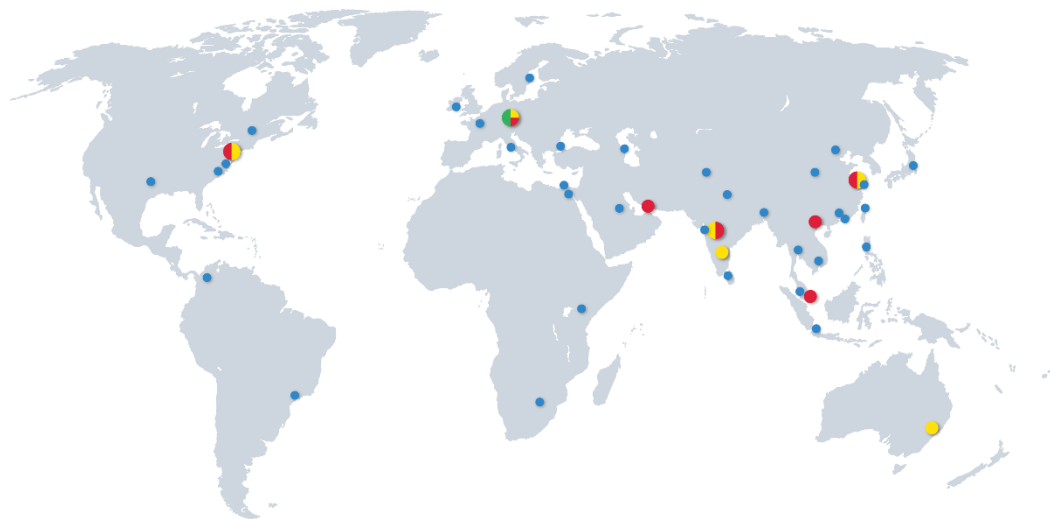
Rich Options:

- RS232 and smart card slot are standard, and parallel function, battery temperature compensation and SNMP card are optional.
- USB, RS485 card, WIFI card, GPRS card, dry connection point card, EMD environmental detector and SMS alarm.

### 1-Phase Input and 1-Phase Output RM Series UPS 6kVA:

Mode		UPS-RM20062-11
Power capacity		6kVA/6000W
Input	Voltage range	110-288VAC(220/230/240VAC)
	Frequency	40-70Hz
	Power factor	≥0.99
Output	Voltage range	230VAC±1%
	Frequency	50/60Hz
	Wave form	Sinusoidal wave
	Power factor	1
	Overload capacity (Inverter mode)	110% : Bypass after 10 minutes; 130% : Bypass is cut after 1 minute; 150% : Bypass after 30 seconds, shut down after 1 minute
	Peak value ratio	3: 1
Efficiency		Main road mode 95%; ECO Mode 98%
Battery	Mode	12VDC/9Ah
	Qty	16
	Maximum charging current	1A
	Dc voltage	192-288VDC
Communication mode		RS 232、SNMP(optional)
Option		Removable dry contact card, maintenance switch, parallel card, battery pack, USB, SNMP, RS 485 interface
Bypass		Standard configuration
Environment	Temperature	0-40℃
	Humidness	0-95%
Size		440*660*172(4U)
W*D*H(mm)		
Special specification		Depth of the server cabinet ≥1 m
Weight (kg)		62

## GLOBAL FOOTPRINT



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