

RM11 Low Frequency Series



1-40KVA Product Parameters

Model RM11-	1K	2K	3K	4K	6K	8K	10K	15K	20K	30K	40K
Capacity	1KVA	2KVA	3KVA	4KVA	6KVA	8KVA	10KVA	15KVA	20KVA	30KVA	40KVA
AC input											
Input voltage	Single-phase 160-275 VAC (optional AVR: 110-300 VAC)										
Input frequency	50(60)Hz±5%										
Bypass input											
Voltage range	Single-phase 160-275 VAC (optional AVR: 110-300 VAC)										
Voltage range	50(60)Hz±5%										
Max. current	6A	12A	18A	24A	34A	45A	56A	82A	110A	160A	220A
AC output											
Output voltage	Single-phase 220VAC										
Output frequency	50(60)Hz										
Voltage regulation	±1%										
Frequency stability	±0.5%(when utility fails)										
Waveform	SPWM sine wave										
Power factor	0.8 (lagging) (optional 0.9)										
THD	<3%(linear load)										
Transient response	Voltage change ≤ 3% (100% load step on/off)										
Crest factor	3:1(Max.)										
Battery											
Battery voltage	48VDC(Option192VDC)					192VDC					
Battery type	Maintenance-free lead-acid battery										
Recharge time	8-10 hours to reach 90% capacity										
Alarms											
Utility failure	Buzzer beeps once every 4 seconds										
Utility abnormal	Buzzer beeps once every 4 seconds; utility mode indicator flashes										
Battery low	Buzzer beeps once every 1 second; battery mode indicator flashes; low-battery LED on										
Overload	Overload LED on; continuous buzzer										
UPS fault	Fault LED on; continuous buzzer										
Internal protection											
Battery	Low-battery auto shutdown; auto restart when utility returns; miniature circuit breaker protection										
Overload	110%: normal; 125%: transfer to bypass after 10 min; 150%: after 1 min; >150%: after 200 ms; auto recovery when load returns to normal										
Over-temperature	Internal temperature > 85°C: transfer to bypass automatically										
Output short circuit	Current limiting; auto shutdown; miniature circuit breaker protection										
UPS abnormal	Transfer to bypass automatically; load powered by utility										
Noise filter	10-100KHz at 40dB;100KHz-100MHz at 70dB										
Control panel											
LED+LCD											
LCD display	UPS status; input/output voltage; input/output frequency; battery voltage; output load (%); inverter temperature										
Low-battery indicator	On when battery voltage is low										
Overload indicator	On when overloaded										
Fault indicator	On when fault occurs										
UPS status	Utility mode; Battery mode; Inverter; Bypass; UPS abnormal										
Safety standards											
Safety	GB4943										
EMI	IEC62040-2,GB7260.2										
EMS	IEC61000-4-2-5,GB/T 17626.2-5										
Environment											
Operating temperature	-10-50°C										
Relative humidity	20-90% RH (non-condensing)										
Altitude	< 2000 m (derate output by 2% for every +500 m)										
Noise (1 m in front)	<55dB										
Physical											
Wiring method (I/O)	Terminal block										
Net weight(no battery),kg	46	63	75	68	75	110	115	150	200	245	285
Dimensions(W×D×H)mm	200×530×460	200×620×540		230×580×550		230×580×700		310×590×870		435×680×1000	
Others											
Overall efficiency	> 85% (optional 90-95%)										
Transfer time (utility failure)	0ms										
Communicationport	RS232 (external SNMP card supported); optional RS485 and DB9 dry contacts										
Note	Custom options available: input isolation transformer, surge protector, 220 VAC input / 110 VAC output or 110 VAC input / 220 VAC output, non-standard special versions, and medical UPS.										

Note: Specifications are subject to change without prior notice.

Product Introduction

The RM11 Series single-phase input, single-phase output UPS is a high-performance pure sine wave on-line UPS developed in response to China's power grid conditions and the stringent reliability requirements of network systems. It is specially designed for network server rooms, small intelligent devices and precision instruments in finance, telecommunications, insurance, transportation, taxation, military, securities, energy, education, government, enterprises, medical treatment and other fields, and is particularly suitable for harsh power grid environments. Engineered with a design concept tailored to China's power grid environment, the RM11 Series serves as an ideal solution to ensure stable operation of network systems. Optional accessories including an isolation transformer, external charger and SNMP adapter are also available for users.

Application Scenarios

network centers, server clusters, telecommunications industry, banking systems, hospitals, government, securities, finance, industrial process control applications, routers, switches, office automation equipment, computer devices, precision instruments and equipment, etc.

Product Features

- Design optimized for grid conditions to improve system availability
- Advanced digital parallel control technology
- High-reliability design to ensure stable operation of network systems
- User-friendly HMI: LCD + LED and network management for easier monitoring
- Intelligent battery management to extend battery life
- Complete protection functions for high stability and reliability