



# X3 RM Series

10-50kVA THREE-PHASE / SINGLE-PHASE  
DOUBLE CONVERSION ON-LINE



### COMPLETE POWER PROTECTION

On-line Double conversion Design with automatic bypass for overload and fault conditions. Low running costs with high operating efficiency.

### WIDE INPUT VOLTAGE RANGE

Wide input voltage range to minimize battery consumption and extends battery life.

### FULL MICROPROCESSOR CONTROL

Full microprocessor management which monitor and control all functions of the UPS including operation, battery management, automatic restart and shutdown, and provide real time mains and load readings.

### ADVANCE CHARGING TECHNOLOGY

Advanced automatic charge and charge technology of constant current and voltage, activate the batteries furthest, together with strong charging current.

### ADVANCE LCD DISPLAY

LCD check up the data in the whole process, display the state of UPS, set up some parameters of UPS on the panel, feedback all signals thru the microprocessor.

### TEMPERATURE CONTROLLED FANS

Intelligent temperature controlled fans, additional factor in reducing noise.

### COMMUNICATION PORTS

RS 232 ports, provide with intelligent monitoring software, various operating status can be changed to contact surface signal, output, automatic shut off, on-line battery test, and control tele switch. Optional RS 485 ports which can supply with telemonitoring panel extend to 1200meters.

### BUILT IN MAINTENANCE BYPASS

Manual maintenance Bypass SWMB, achieve online service.

### AUTOMATIC FAULT DETECTION AND EASE OF ACCESS

Automatic fault check up system: Check up the fault of UPS automatically, and can be displayed on LCD, enables service staff to easy access, easy locate and remove faults.

### PERFECT PROTECTION FUNCTION

RM Series possess the protection of over/under voltages on AC input, over/under on output voltage, output overload, short circuit, protection on inverter over temperature, low voltage alarm, battery over discharge, etc Ensuring the UPS system running with high stability and reliability.



## Technical Specifications:

MODEL	RM-3110	RM-3115	RM-3120	RM-3130	RM-3140	RM-3150
Power (kVA)	10kVA	15kVA	20kVA	30kVA	40kVA	50kVA
<b>INPUT</b>						
Phase	Three Phase					
Voltage	380VAC $\pm$ 20% (3Ph 4W)					
Frequency	50/60Hz $\pm$ 5%					
<b>OUTPUT</b>						
Phase	Single Phase					
Voltage Regulation	220VAC $\pm$ 1%					
Frequency	50/60Hz $\pm$ 0.5% (Free Running)					
Transient Response	$\pm$ 4% (100% Load Variation)					
Waveform	Sinewave					
THD @ 0-100% Linear Load	<3%					
Crest Factor	3:1					
Power Factor	0.8-1.0 LAG					
AC/AC Efficiency	>92%					
<b>BATTERY</b>						
Battery Type	Sealed Lead Acid Maintenance Free					
DC Voltage	384Vdc 192Vdc(optional)	384Vdc				
Number of Batteries	12Vdc x 32 pieces (equipped with battery cabinet)					
Rectifier Charging Current	10 Amperes (Standard) 20 Amperes (Optional)					
<b>TRANSFER TIME</b>						
AC Fault	0 ms					
UPS Fault	< 2ms					
<b>ALARM</b>						
AC Fault	alarm every 4 seconds					
Battery Low Voltage	alarm every 1 second					
UPS Overload	Continues Alarm					
UPS Fault	Continues Alarm					
<b>PROTECTION</b>						
Overload	125% load @ 10 minutes, 150% load @ 1 minute.					
Battery	Circuit Breaker					
Short Circuit	Fuse and Circuit Breaker, current limited and cut-off					
Over Temperature	>85°C switch to by-pass					
EMI Filter	EN 50091-2					
<b>DISPLAY</b>						
LED	AC Input/bypass/Inverter/Battery/Overload/Fault					
LCD	input, output, battery voltage/frequency/load percentage/UPS status/temperature/time					
<b>INTERFACE</b>						
RS-232	AC input, inverter voltage/ battery, load capacity/ input frequency/ temperature/cut-off in time and etc. (DOS, Windows, Windows-NT, Novell Netware, UNIX)					
<b>GENERAL</b>						
Temperature	0°C~40°C					
Humidity	0~95% No condensing					
Noise	<58dB at 1 meter					
Weight	150kg	220kg	270kg	320kg	380kg	440kg
Dimension (WxDxH) mm	505x650x1095	555x720x1200				
Output Socket	1 connection bus					

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