

## RM Series Modular Online UPS 20-200kVA (380V/400V/415V)

RM series is modular online UPS for sensitive equipments. The single cabinet power rating covers from 20kVA to 200kVA. With the latest IGBT three-level and full DSP control technology, the RM series delivers the best of combination of reliability, hot-swappable and flexibility.

The RM series develops the in-built transformer type range from 20kVA-60kVA for customer's choices.



RM060/20-TX

### Features

#### Modular design

Up to 20 power modules in parallel online hot-swappable N+X redundancy

#### Independent charger

Independent charger for each module and intelligently control the whole charging process, prolong the life time of the battery

#### Battery cold start

UPS can be powered on from the battery without utility

#### Easy connection access

Top and bottom cable entry connection are supported, more convenient for site installation

#### Modular design with transformer

Modular UPS up to 60kVA with in-built isolation transformer, meeting different requirement for customers

#### High power density

200kVA with footprints of about 0.5m<sup>2</sup>, saving valuable data center space

#### Integrated IGBT design

Integrated IGBT in one module, less failure points with higher performance and reliability

#### Friendly interface

Touch LCD display with abundant information

#### Independent air channel

Cooling air runs in isolated channel, keeping PCB free of dust



### Specification

MODEL	RM200/20	RM120/20	RM060/20	RM060/20-TX (In-built transformer)	
	200kVA/180kW	120kVA/108kW	60kVA/54kW	60kVA/48kW	
Power module	PM20(20kVA)				
<b>INPUT</b>					
Phase	3 Phase + Neutral + Ground, 380V/400V/415V(line to line)				
Voltage range	304-478Vac (line-line),full load; 228V-304Vac (line-line),load decrease linearly according to the min phase voltage				
Frequency range	40Hz-70Hz				
Power factor	>0.99				
THDi	THDi<3% @ 100% linear load				
<b>OUTPUT</b>					
Voltage	380V/400V/415V				
Voltage regulation	1% for balance load; 1.5% for unbalance load				
Power factor	0.9			0.8	
THDu	THD<1%(linear load ),THD<5.5%(non-linear load)				
Crest factor	3:1				
Overload capability	110% for 1 hour; 125% for 10 min ;150% for 1 min; >150% for 200 ms				
<b>BATTERY</b>					
Voltage	±240VDC				
Charge power	20%*System Power				
Charge voltage precision	±1%				
<b>SYSTEM</b>					
System efficiency	Normal mode:95% ;ECO mode:99% ;Battery mode:95%				
Display	LCD+LED, Touch Screen +Keyboard				
IP Class	IP20				
Interface	Standard:RS232,RS485,Dry contacts; Optional: SNMP				
Operation/Storage temperature	0-40°C /-40-70°C				
Relative humidity	0-95%(non-condensing)				
Noise	55dB (1 meter away)				
<b>PHYSICAL</b>					
Weight	Cabinet	179kg	145kg	105kg	400kg
	Power Module	22kg			
Dimension (W*D*H)	Cabinet	600*900*2000(mm)	600*900*1600(mm)	600*900*1100(mm)	600*900*1600(mm)
	Power Module	440*590*134(mm)			