

# MTR-RM

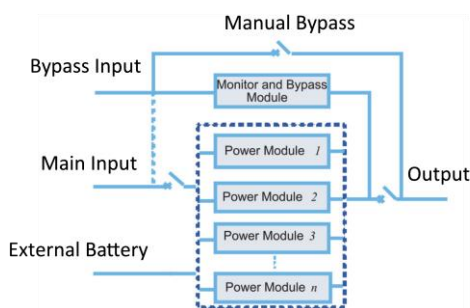
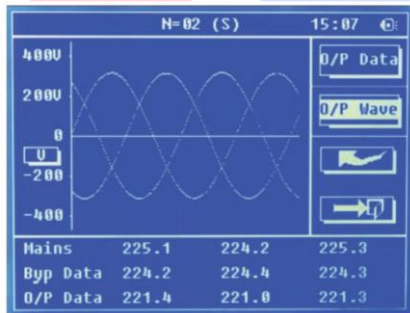
## Modular Online UPS

20-200kVa  
(380V/400V/415V)



### Product

MTR-RM series is modular online UPS for sensitive equipments. The single cabinet power rating covers from 20KVA to 200KVA which delivers the best of combination of reliability, hot-swappable and flexibility. With the latest IGBT three-level technology and DSP control, MTR-RM achieves a high input power factor, low THD and high system efficiency, which make it a great choice for data centers, computer systems and critical equipments.



### Features

- Modular design**  
 Up to 20 power module in parallel Online hot-swappable N+X redundancy
- High power density**  
 200kVA with footprints of about 0.5m<sup>2</sup> saving valuable data center space
- Independent charger**  
 Independent charger for each module Intelligently control the whole charging process with prolong the life time of the battery Integrated IGBT design in one module, less failure points with higher performance and reliability
- Battery cold start**  
 UPS can be powered on from the battery without utility
- Friendly interface**  
 Touch LCD display with abundant information
- Totally front access**  
 Top and bottom cable entry connection are supported, more convenient for site installation
- Maintenance reminder**  
 System can record the running time for critical components and set reminding time for replacement
- Modular design with transformer**  
 Modular UPS up to 60kVA with built-in isolation transformer, meeting different requirement for customers

Model	RM200/20	RM120/20	RM060/20	RM060/20-TX (In-built transformer)	
Power module type	PM 20(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	1.50%				
Power Factor	0.9		0.8		
THDu	THD <1.5% (linear load) , THD <5% (None linear load)				
Crest ratio	3 : 1				
Overload capability	110% for 1 hour; 125% for 10 minutes ;150% for1 minute; >150% for 200ms				
<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 : SNMP0				
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 (WxDxH)	Cabinet	600*900*2000(mm)	600*900*1600(mm)	600*900*1100(mm)	600*900*1600(mm)
	Power module	440*590*134			