



MR Series Modular UPS

50~600kVA

- » All Hot-swappable Design
- » Power Factor 1 (kVA=kW)
- » High Efficiency 96%
- » System Parallel
- » Fault Trace Management



Data centers



Telecom systems



Computer rooms



Financial systems



Precision instruments



Intelligent equipment

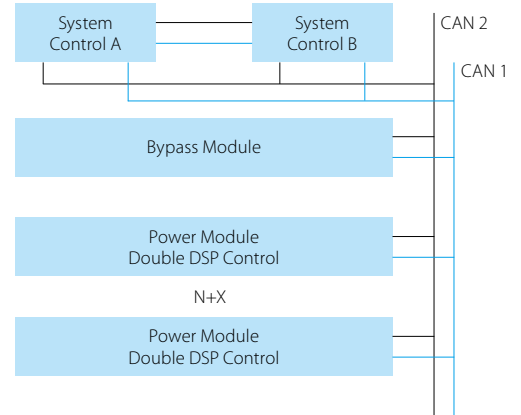


MR Series Modular UPS

Features and Advantages

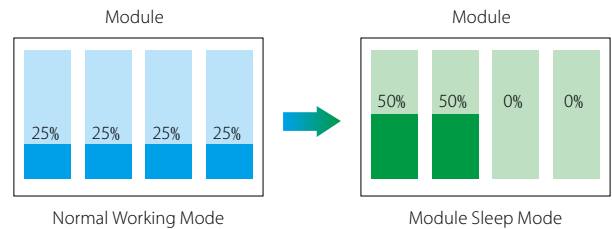
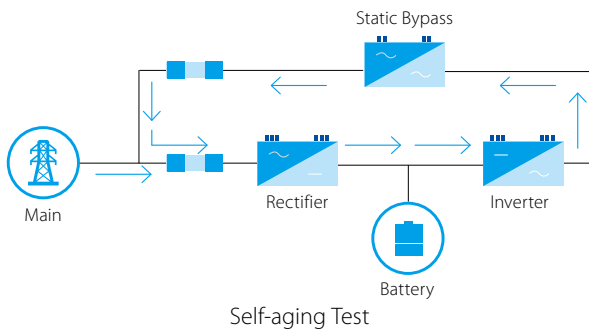
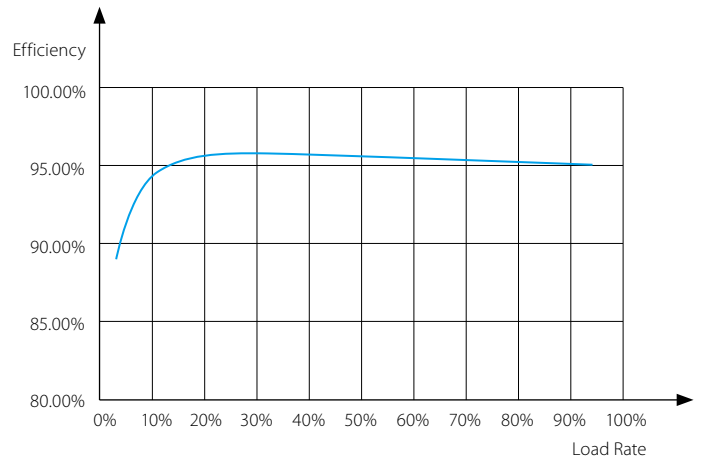
High Reliability:

- Wide input voltage range -60% ~ +25% with high grid adaptability
- Hot-swappable function ensures uninterrupted operations during maintenance
- Dual system control card and dual bypass unit power prevent single failure point
- Intelligent fan control and redundant design for energy saving: 25% load can be driven when 2 fans fail and 50% load when 1 fan fails
- Parallel expansion up to four systems without requiring additional hardware



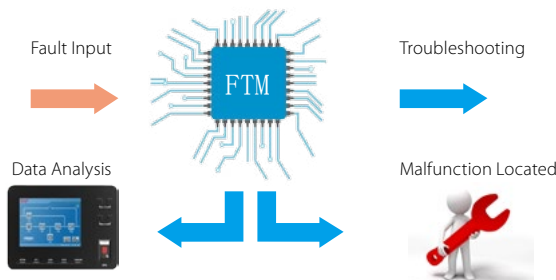
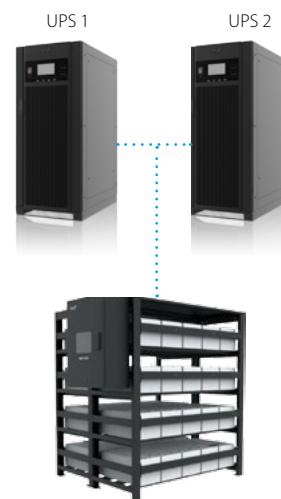
High Performance:

- High efficiency in online mode (>96%) reduces heat dissipation and limits power consumption costs
- THDi≤3% and input power factor 0.99 reduce the pollution to grid and reduce upstream investment costs
- Full rated power (kVA=kW) to maximize power availability
- Efficiency>99% in ECO mode gives significant cost reduction
- Advanced power module sleep mode, prolong the service life of power module
- Allow 100% three phase unbalance load
- Frequency converter function(60Hz to 50Hz or 50Hz to 60Hz)
- Self-aging test function without load enables on-site commission
- Small footprint, 320kW only covers 0.5m²



Smart Management:

- Fault Trace Management (FTM) for convenient failure analysis(80ms waveform record)
- 7-inch HMI enables more parameters setting and status showing
- Intelligent battery charging system, prolong the service life of batteries
- Intelligent battery management, 30-40 pcs batteries per string allow customers to get the faulty battery out instead of replacing it
- Common battery bank sharing in parallel system



Common battery bank sharing



More Options

Power Distribution Cabinet:

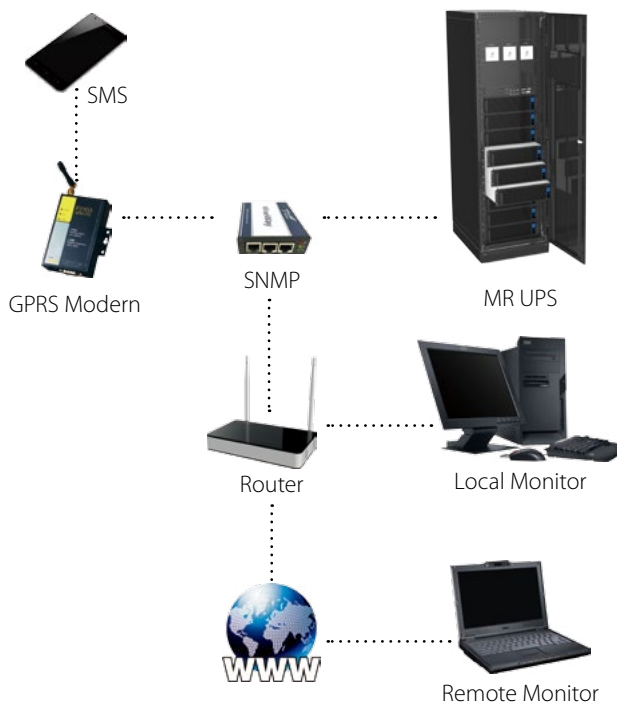
- Design the power distribution cabinet according to your integrated solution

Flexible Network Management:

- Optional internal SNMP adapter
- Intelligent management software

Intelligent Battery Monitoring System MMBM :

- Smart status diagnosis
- Abnormal status real time alarming
- Event logs recording
- Parameter real time monitoring



MODEL	MR33125	MR33200	MR33300	MR33400	MR33500	MR33600	
Power Module	MR3325-J	MR3350-J					
Input							
Rated Voltage (Vac)	380/400/415						
Voltage Range (Vac)	L:L 138~485						
Input Wiring	3Ph+N+PE						
Input Frequency (Hz)	40-70						
Bypass Voltage Range (Vac)	-15% (-20%/-30% optional) ~+15%(+10%/+20% optional)						
Power Factor	≥0.99						
THDi	<5% (nolinear, full load)						
Phase	3Φ4W+PE						
Battery (Vdc)	±192 (±180~±240 settable)	±240 (±180~±276 settable)					
Charging Current (A)	±10 Maximum (single module)						
Output							
Capacity (kVA/W)	125/125	200/200	300/300	400/400	500/500	600/600	
Power Factor	1						
Phase	3Φ4W+PE						
Waveform	sine wave						
Voltage (Vac)	L-L:380,400,415 ±1%						
Frequency (Hz)	50/60±0.2% (battery mode)						
Three Phase Difference	≤2 degrees						
THDv	≤1% (linear load, full load); ≤4% (nolinear load, full load)						
Static Bypass Transfer Time	0						
System Efficiency	95.5%						
Parallel Mode	Advanced no-master-slave parallel technology, N+1 redundancy						
Overload Capacity	105-115% load for 60 minutes, 116%-130% load for 10 minutes, 131%-150% load for 1minute, over 150% load transfer to bypass.						
Others							
Approvals	CE (EN62040-2, IEC62040-1)						
Operating Temperature	0~40°C						
Storage Temperature	-40~70°C						
Relative Humidity	0~95%, No condensation						
Communication Function	RS232/RS485/Dry contact/SNMP adapter (optional)						
Noise (dB)	< 65	<70					
Power Module (kVA)	25	50					
Power Module Dimension (WxDxH)(mm)	500×700×130						
Power Module Weight (kg)	32	33					
Dimension(WxDxH)(mm)	600×860×1400	600×860×2000			1200×860×2000		
Weight (kg)	347	412	517	691	870	1250	

• Specification is subject to change without prior notice.

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