

Module MR series UPS



Product features

- 1. High-efficiency double-conversion online UPS, the highest efficiency of online double-conversion design can reach 96%
- 2. DSP module parallel control design improves the performance and capacity scalability
- 3. Output PF = 1 (KVA = KW)
- 4. N+1 or N+R parallel redundancy application design increases system flexibility, group characterization and safety
- 5. Modular design is applied to power module, STS module and battery module. It's easy to update and maintain, and can reduce the cost of after-sales maintenance
- 6. Built-in maintenance bypass switch for easy maintenance
- 7. Adjustable charging current, the maximum charging current of each module can reach 8A
- 8. LCD graphic design offers more intuitive and clearer display
- 9. If it's connected in parallel, the battery packs can be connected in parallel

Application

- 1. Departmental servers
- 2. Small LAN
- 3. Workstation
- 4. IPO
- 5. Small medical devices
- 6. Small precision electronic instruments
- 7. Enterprise Server
- 8. Enterprise Lan
- 9. High-end servers
- 10. Network Equipment
- 11. Data center room
- 12. Sophisticated electronic equipment

Model	MR090315	MR090330	MR1200442	MR1200430	MR1800630	MR2001042	MR210742	MR3001042
Phase		3-phase in/3-phase out						
Capacity	90KW or 60KW	90KW	120KW	120KW or 80KW	180KW or 120KW	200KW	210KW	300KW
Battery mode	External battery pack	Built-in battery module		External battery pack				
Power module capacity	PM-20HV: 20KVA/20KW PM-30HV: 30KVA/30KW	PM-30HV:30KVA/30KW		PM-20HV : 20KVA/20KW PM-30HV : 30KVA/30KW		PM-20HV: 20KVA/20KW	PM-30HV: 30KVA/30KW	
Power module quantity	3	3	4	4	6	10	7+1	10
Battery module quantity	-	3	5	-	-	-	-	-
Input								
Rated Voltage	3x380VAC/400VAC/415VAC (3Ph+N)							
Voltage Range	305~478 VAC at 100%load; 208~ 304VAC at<70%load							
Rated Frequency	50/60Hz (Auto adapted)							
Frequency Range	40Hz~70Hz							
Power factor	>0.99 at 100%load, >0.98 at 50%load							
Current harmonics	<3%@100% load							
Output								
Rated Voltage	110-300 VAC,50% (Load) ; 176-276 VAC,100%(Load)							
Steady Voltage	≤ ± 1% (Balanced load);≤ ± 2% (Unbalanced load)							
Dynamic Voltage	± 5% (Typical)							
Rated Frequency	50/60Hz							
Frequency Range	46Hz~54Hz or 56Hz~64Hz							
Over load protection	110% 60min, 120% 10min, 150% 60s, >150% 200ms							
Current harmonics	≤1.5% THD(Linear load) ; ≤4% THD(Linear load)							
Efficiency	≤94.5%							
Battery/Charging								
Rated Voltage	+/- 216V (12V x36 Pcs)							
Maximum voltage	+/- 240V (12V x40 Pcs)							
Minimum voltage	+/- 192V (12V x32 Pcs)							
Float voltage	2.25V/Cell							
Large charge voltage	2.35V/Cell							
Temperature compensation	Yes							
Maximum charge current	8A	8A	8A for 30KW(Modale) & 6A for20KW(Modale)		6A	8A	8A	
Physical Function								
Net weight (KG)	75	-	-	-	222	-	-	-
Gross weight (KG)	101	-	-	-	222	-	-	-
Dimensions (DxWxH)mm	1100×514×763	1100×600×1475	1100×600×2010	1100×600×1475	1100×600×1475	1100×600×2010		
Operating environment								
Operating temperature	0~40℃							
Operating humidity	0~95% (No condensation)							
Highly	<1000m(Rate power)							
IP Protection degree	IP20							
Control Management								
RS-232/USB	Windows@ 2000/2003/XP/Vista/2008/7/8, Linux/MAC							
Optional SNMP	Power management supports SNMP management and network management							
Control Management								
Safety	IEC/EN 60950-1; IEC/EN 62040-1							
Electromagnetic specifications	IEC/EN 62040-2 Category C3							