

MP Series

10~200KVA

Online UPS high frequency
N+X modularization



Basic Features

- MP series modularization energy conservation green UPS unified the traditional tower UPS technical characteristic and the modern engine room modulation demand, while realizes modular design, has guaranteed system's redundant reliability.
- MP serial provides all kinds of specification power module as well as the cabinet system, the user may carry on the flexible disposition according to the load demand. The single cabinet may realize the 200kVA capacity, after parallel, may realize the 400kVA capacity disposition.

System Advantages

- UPS system modularization design, N+X redundancy
- Strong load applicability and ability and strong power system applicability
- Green energy conservation power: complete machine efficiency over 95%
- Input power factor more than 0.99, and input current harmonic less than 3%
- Power module double DSP controller disposing, module independent control
- Rectification, inverter, charge, and discharge realize the DSP numerical completely
- Use the integration to seal the IGBT module
- Large screen man-machine contact surface, rich information content
- Entire digitized module parallel technology, extremely good circulation target
- All circuit wafers use the water-stain-dust-proof craft.



Applications

- Data Processing Center
- Computer Engine Room
- ISP Service Provider
- Telecommunication
- Finances
- National Defense
- Negotiable Securities
- Transportation
- Tax Affairs
- Medical System
- and so on the places having the Excessive Demands to the Power

Product Features

- High reliable design
- N+X redundancy modularization design
- Intelligence battery management plan
- Strong load capacity
- Intelligence protect plan



Specification

Capacity	10-200KVA	
	(一) Main input	
Input voltage	380V/400V/415V	
Input frequency	50/60Hz	
Power factor	> 0.99	
Current distortion factor	THD < 3%	
Voltage range	-40% ~ +25%	
Frequency range	40-70Hz	
	(二) Battery	
Battery voltage	±240VDC	
Charge power	20%* System power	
Charge voltage precision	±1%	
	(三) Bypass	
Bypass voltage	380V/400V/415V	
Voltage range	-50% ~ +20%	
Overload capacity	150%, long-term working	
	150% < Load < 180%, working time > 1 min	
	Load > 180%, working time > 100ms	
	(四) Output	
Output voltage	380V/400V/415V	
Voltage precision	±0.5% (balanced load), ±1% (unbalanced load)	
Voltage distortion factor	THD < 1% (linear load), THD < 3% (non-linear load)	
Power factor	0.8	
3 Phase precision	120° ± 0.5°	
Peak value ratio	3:1	
Overload capacity	110%, bypass after one hour	
	125%, bypass after 10 mins	
	150%, bypass after 1 min	
	> 150%, bypass after 200 ms	
	(五) System	
System efficiency	Normal mode: 95%	
	Economic mode: 99%	
Efficiency in battery mode	95%	
Display	LCD+LED, touch screen + keyboard	
Protection grade	IP20	
Communication interface	Rs232, Rs485, dry contact, SNMP card, EPO, generator connector	
Connection	Support high and low coil in	
Working temperature	0-40°C	
Storage temperature	-25°C~70°C	
Relative humidity	0-95% (no condensation)	
Noise	<55dB	
Weight	6 Module cabinet	150KG (MP060 MP090 MP120)
	10 Module cabinet	180KG (MP100 MP150 MP200)
	Power module	PM10KVA: 20KG
		PM15KVA: 21KG
PM20KVA: 22KG		
Dimension (W*D*H)(mm)	6 Module cabinet	600*900*1600 (MP060 MP090 MP120)
	10 Module cabinet	600*900*2000 (MP100 MP150 MP200)
	Power module	440*600*133 (PM10KVA/PM15KVA/PM20KVA)