

HQ-M Series

Modular UPS 50kVA-1200kVA

- 10" color touch screen
- 50/60KVA module
- Output PF=1



50KVA - 1200KVA



Power Range

50kVA-1200kVA

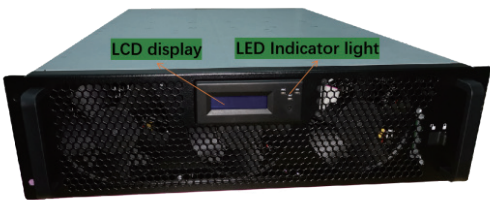
Way Of Working

Online double conversion

Application

Data centers of finance field, securities companies, enterprises, government, internet enterprises and other IDC rooms.

LCD Display On Each Power Module



Performance Characteristics

Intelligent Flexibility

- Adjustable battery number: 30-44 units
- Allowing common battery group for parallel
- Multiple communication methods for monitoring
- Cold start function

High Reliability

- Self-load test function without loads
- Isolated air duct with key components to improve
- Power module N+X redundancy design
- 50kVA power module with separate display screen

Green Performance

- Output PF=1
- ECO mode for energy saving
- Intelligent sleep mode to improve system efficiency
- High efficiency up to 96%

Performance

Model	HQ-M300/50	HQ-M500/50	HQ-M600/60	HQ-M840/60	HQ-M1000/50	HQ-M1200/60
Rated Capacity	300kVA	500kVA	600kVA	840kVA	1000kVA	1200kVA
Power Module Capacity	50kVA		60kVA		50kVA	60kVA
Input						
Wiring Method	3 Phase+N+PE					
Rated Voltage	380/400/415VAC(line-line)					
Rated Frequency	50/60Hz					
Voltage Range	304VAC ~ 478VAC (line-line) full load; 304VAC ~ 228VAC(line-line) load derating linearly from 100% to 80%					
Frequency Range	40Hz~70Hz					
Power Factor	>0.99					
THDi	< 3% (linear full load) ; < 5% (non-linear full load)					
Bypass						
Rated Voltage	380/400/415VAC(line voltage)					
Voltage Range	Factory setting -20% ~ +15%; settable, upper limit:+10%,+15%,+20%,+25%; lower limit:-10%,-15%, -20%, -30%,-40%					
Frequency Range	Settable (±1Hz, ±3Hz, ±5Hz)					
Overload Capacity	110% for long run, > 150% for 200ms					
Battery						
Battery Voltage	±192VDC (384 ~ 528VDC; 32 ~ 44 units settable, defaulted by 32 units)					
Charging Capacity	15%* total capacity					
Voltage Accuracy	±1%					
Output						
Rated Voltage	380V/400V/415V(line-line)					
Power Factor	1					
Rated Frequency	50/60Hz					
Voltage Accuracy	≤±1.0%@ balanced load; ≤±5.0%@ unbalanced load					
Frequency Accuracy	50/60Hz±0.01%					
Frequency Tracking Range	Settable, ±0.5Hz~±5Hz ; factory setting±3Hz					
THDu	≤2%(100% linear load), ≤4%(nonlinear load)					
Three-phase Phase Accuracy	120°±1°					
Crest Factor	3:1					
Overload	< 105%, long run; < 110%, 60mins; 110 ~ 125%, 10mins; > 125 ~ 150%, 1mins; > 150%, 200ms					
System						
Efficiency	96.5%@ double conversion mode					
Display	Super large color touch screen +LED					
Wiring	Support top in and bottom in					
Standard	IEC62040-1-1; IEC62040-2; IEC62040-3					
Protection Class	IP20					
Optional	SNMP card、modbus card、parallel components, lightning protection components, dust-proof net, LBS, editable dry contact					
Working Condition	Temperature: 0~40℃; humidity: 0~95%(no condensation)					
Noise	< 65dB @ 1meter					
Altitude	<1000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased					
Cabinet Type	6+1 Modules	10+2 Modules	12 Modules	14 Modules	20 Modules	20 Modules
Size						
System W x D x H (mm)	600 x 1100 x 2000	1000 x 1100 x 2000		1600 x 900 x 2000	2000 x 1100 x 2000	
Module W x D x H (mm)	440 x 720 x 130 (3U)					
Weight						
System(kg)	250	500	530	980	1100	1180
Module(kg)	38					

* Specifications are subject to change without prior notice.