

HQ-M Series

Modular UPS 20kVA-300kVA

- Isolated air duct design
- 20/25KVA 2Umodule
- Output PF=1



20KVA - 300KVA



Power Range

20kVA-300kVA

Way Of Working

Online double conversion

Application

Finance,telecommunication,education,hospitals,
transportation&other network devices, data centers.

10+2 redundancy design



Performance Characteristics

Intelligent Flexibility

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

High Reliability

- Intelligent fan speed control
- Isolated air duct with key components
- Full swithes configuration is available
- Lightning protection function(optional)
- Intelligent fan speed control

Green Performance

- Output PF=1
- ECO mode for energy saving
- Maximum for 12 power modules(2000mm height)
- Self-load test function reduce 95% power lose

Performance

Model	HQ-M60	HQ-M120	HQ-M200	HQ-M300
Rated Capacity	60kVA	120kVA	200kVA	300kVA
Power Module Capacity	20kVA/25KVA			
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	Rated frequency 50/60Hz ; frequency range can be set ±1Hz, ±3Hz, ±5Hz			
Overload Capacity	110% for long run ; >150% for 200ms			
Battery				
Battery Voltage	±192VDC (360 ~ 528VDC ; 30 ~ 44 units settable , defaulted by 32 units)			
Charging Capacity	15%* total capacity			
Voltage Accuracy	±1%			
Output				
Rated Voltage	380V/400V/415V(line-line)			
Rated Frequency	50/60Hz			
Power Factor	1			
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				
System Efficiency	≥96%@ double conversion mode , ≥98%@ECO mode			
Display	Touch screen + LED			
Wiring	Support top in and bottom in			Top in
Standard	IEC62040-1-1; IEC62040-2; IEC62040-3			
Protection Class	IP20			
Feeder Protection	Standard: isolating switch, optional: fuse			
Communication	RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional)			
Optional	Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor			
Working Condition	Temperature: 0 ~ 40°C ; humidity: 0~95%(no condensation)			
Noise	<60dB@1 meter			
Altitude	<1000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased			
Cabinet Type	4 Modules	7 Modules	12 Modules	
Size				
System W x D x H (mm)	600 x 890 x 1200	600 x 960x 1600	600 x 1010 x 2000	
Module W x D x H (mm)	440 x 690 x 86 (2U)			
Weight				
System(kg)	140	185	250	270
Module(kg)	25			

* Specifications are subject to change without prior notice.