



EQ-MT Series

Modular UPS 50kVA-1200kVA

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



50KVA - 1200KVA

■ Power Range

50kVA-1200kVA

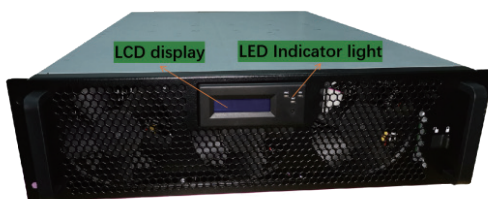
■ Way Of Working

Online double conversion

■ Application Field

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%

Technical Specifications

Model	EQ-300MT	EQ-500MT	EQ-600MT	EQ-840MT	EQ-1000MT	EQ-1200MT
Rated Capacity	50-300kVA	50-500kVA	60-600kVA	60-840kVA	50-1000kVA	60-1200kVA
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					
THD	THD < 3% (linear full load) ; THD < 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 block settable, factory setting 32 block)					
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					
THD	THDu≤2%(100% linear load),THDu≤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°C; 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.

