



EQ-MT Series

Modular UPS 25kVA-300kVA

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



25KVA - 300KVA

■ Power Range

20kVA-300kVA

■ Way Of Working

Online double conversion

■ Application Field

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 switches 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 loss

SPEIFICATIONS :

Model	EQ-60MT	EQ-100MT	EQ-125MT	EQ-150MT	EQ-200MT	EQ-300MT
Rated Capacity	60kVA	100kVA	125kVA	150kVA	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					
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	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 block settable, factory setting 32 block)					
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					
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						
System Efficiency	≥96.5%@ 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℃; humidity: 0~95%(no condensation)					
Noise	< 60dB @ 1meter					
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 850 x 1200	600 x 960x 1600	600 x 850x 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.

Spec. STD 18-01-24