



# 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

## Performance

Model	EQ-60MT	EQ-125MT	EQ-200MT	EQ-300MT
Rated Capacity	60kVA	125kVA	200kVA	300kVA
Power Module Capacity	25KVA			
<b>Input</b>				
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)			
<b>Bypass</b>				
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			
<b>Battery</b>				
Battery Voltage	±192VDC (360 ~ 528VDC; 30 ~ 44 block settable, factory setting 32 block)			
Charging Capacity	15%* total capacity			
Voltage Accuracy	±1%			
<b>Output</b>				
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			
<b>System</b>				
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°C; 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	
<b>Size</b>				
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)				
<b>Weight</b>				
System(kg)	140	185	250	270
Module(kg)	25			

\* Specifications are subject to change without prior notice.

