



## EQ-MT Series

Modular UPS 50kVA-1200kVA

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



50KVA - 1200KVA

### ■ Power Range

50kVA-1200kVA

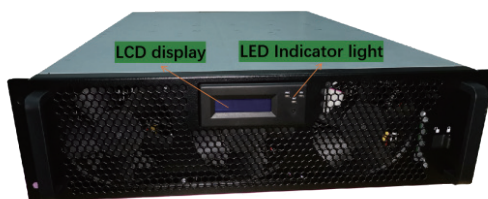
### ■ Way Of Working

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%

## SPEIFICATTIONS :

| Model                      | EQ-200MT                                                                                                              | EQ-300MT          | EQ-400MT          | EQ-500MT           | EQ-600MT      | EQ-840MT          | EQ-1000MT          | EQ-1200MT  |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|--------------------|---------------|-------------------|--------------------|------------|
| Rated Capacity             | 50-200kVA                                                                                                             | 50-300kVA         | 50-400kVA         | 50-500kVA          | 60-600kVA     | 60-840kVA         | 50-1000kVA         | 60-1200kVA |
| Power Module Capacity      | 40kVA / 50kVA                                                                                                         |                   |                   |                    | 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 850 x 2000                                                                                                      | 600 x 1100 x 2000 | 1000 x 850 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.

Spec. STD 18-01-24