

SOLTEC

EQ-MR Series

Rack Modular UPS 40kVA-150kVA

- 19" rack-mounted
- 20/25KVA module
- Output PF=1



40KVA - 150KVA

■ Power Range

20kVA-150kVA

■ Way Of Working

Online double conversion

■ Application

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

◆ High power density ratio



2U height:20/25KVA

■ Performance Characteristics

Intelligent Flexibility

- Adjustable battery number: 30-44 units
- Easy installation,suitable for 19" cabinets
- Cold start function

High Reliability

- Self-load test function without loads
- Isolated air duct for key components
- Intelligent fan speed control
- Power module DSP 1+1 design

Green Performance

- Output PF=1
- ECO mode for energy saving
- Low THDi and high input PF
- High efficiency

SPEIFICATTIONS :

Model	EQ-40MR	EQ-50MR	EQ-80MR	EQ-100MR	EQ-120MR	EQ-150MR
Rated Capacity	40kVA	50kVA	80kVA	100kVA	120kVA	150kVA
Power Module Capacity	10kVA / 20kVA	20kVA / 25kVA	10kVA / 20kVA	20kVA / 25kVA	10kVA / 20kVA	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 \pm 1Hz, \pm 3Hz, \pm 5Hz					
Overload Capacity	110% for long run ; >150% for 200ms					
Battery						
Battery Voltage	\pm 192VDC (360 ~ 528VDC; 30 ~ 44 units settable, defaulted by 32 units)					
Charging Capacity	15%* total power capacity					
Voltage Accuracy	\pm 1%					
Output						
Rated Voltage	380V/400V/415V(line-line)					
Rated Frequency	50/60Hz					
Power Factor	1					
Voltage Accuracy	\leq \pm 1.0%@ balanced load; \leq \pm 5.0%@ unbalanced load					
Frequency Accuracy	50/60Hz \pm 0.01%					
Frequency Tracking Range	Settable, \pm 0.5Hz~ \pm 5Hz; \pm 3Hz					
THDu	\leq 2%(100% linear load), \leq 4%(nonlinear load)					
Three-Phase Phase Accuracy	120 \pm 1 $^{\circ}$					
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, \geq 98%@ECO mode					
Display	LCD touch screen					
Wiring	Support bottom in					
Language	Chinese, English; optional: Russian,Italian, Spanish, German, etc.					
Protection Class	IP20					
Communication	RS232/RS485/SNMP card (optional) / dry contact (optional)					
Working Condition	Temperature: 0~40 $^{\circ}$ C ; humidity: 0~95%(no condensation)					
Noise	<60dB@1 meter					
Altitude	<1000 meters, derating, > 1000 meters, derating 1% if every 100 meters increased					
Cabinet Type	2 Modules		4 Modules		6 Modules	
Size						
System W x D x H (mm)	482.6 x 800 x 353.2(8U)		482.6 x 800 x 531(12U)		482.6 x 900 x 800(18U)	
Module W x D x H (mm)	440 x 690 x 86(2U)					
Weight						
System(kg)	37		47		72	
Module(kg)	25					

* Specifications are subject to change without prior notice.

Spec. STD 18-01-24

