

POWER
MAXMA
MU800

10 kVA ~ 60 kVA (3:3)
PF 0.9



MU800 series UPS is a intelligent 3 phase in 3 phase out uninterrupted power supply, it adopts double transform high frequency PWM and high performance digital control technique (DSP), with perfect protection, super network management function, reasonable man-machine interface and a series of precision design, meets all high reliability requirements of uninterrupted power supply and integrates reliable, safety, maintainability characteristics of a new generation low frequency UPS.

Features

- Online double-conversion with full DSP control
- IGBT inverter with output isolation transformer
- 100% unbalance load capability
- Output power factor 0.9
- Generator compatible
- Support battery cold start and auto-restart when mains power is restored
- ECO mode operation for energy saving
- Superior protection
- 5.7 inches LCD touch screen, friendly human & machine interface
- Front access makes maintenance and replacement simplified (60 ~ 120 kVA)
- Intelligent self-diagnosing function, all kinds of failure protection, large capability of history records storage
- High MTBF (> 200,000 h)
- Low MTTR (< 0.5 h)
- Standard emergency power off (EPO)
- Standard RS232,RS485,dry contacts communication port
- Optional SNMP communication port
- Optional N+X redundancy parallel up to 6 units
- Optional input filter to improve input power factor

Specifications

MODEL	MU8010	MU8015	MU8020	MU8030	MU8040	MU8060
Capacity	10 kVA 9 kW	15 kVA 13.5 kW	20 kVA 18 kW	30 kVA 27 kW	40 kVA 36 kW	60 kVA 54 kW
INPUT						
Rated voltage				380 V / 400 V / 415 Vac		
Voltage range				± 25%		
Rated frequency				50 / 60 Hz		
Frequency range				50 / 60 Hz ± 5 Hz		
Power factor				≥ 0.95 (with filter)		
Bypass voltage range				± 20% (settable)		
Delayed start of rectifier				1 ~ 300 s (settable via display panel)		
ECO voltage range				± 10% (settable)		
OUTPUT						
Voltage				380 V / 400 V / 415 Vac		
Voltage regulation				± 1%		
Frequency				Synchronized with utility in mains mode; 50 / 60 Hz ± 0.1% in battery mode		
Waveform				Sinusoidal		
Power factor				0.9		
Crest factor				3:1		
Total harmonic distortion (THDV)				≤ 2% (linear load); ≤ 5% (non-linear load)		
Transfer time				AC mode to battery mode: 0 ms Inverter mode to bypass mode: 0 ms Inverter mode to ECO mode: 5 ~ 10 ms		
overload				105%: long time running, 105% ~ 110% for 1 h, 110% ~ 125% for 10 min, 125% ~ 150% for 1 min, 150% ~ 200% for 200 ms, > 200% for 100 ms		
Slight adjustment of inverter output voltage				± 5 V		
BATTERIES						
DC Voltage				12 V × configured battery number (settable via display panel)		
Number of battery				28 ~ 32 pcs (settable)		
Charging current				10 A default / settable		
Charging				Three-stage charging, auto switch floating / equalizing charge		
Battery state display				Display battery backup time, battery remaining capacity		
Battery self-test				Settable periodic self-test; manually configurable test time and voltage		
SYSTEM						
Efficiency				In line mode: Max. 93%; ECO mode: ≥ 98%		
Max. Parallel numbers				6		
Protections				Short-circuit – overload – overvoltage – undervoltage – low battery – overtemperature – fan fault		
Communications				RS232 / RS485 / dry contacts (standard), SNMP (optional)		
IP rating				IP20		
EMI				EN62040-2		
EMS				IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (surge)		
OTHERS						
Humidity				0~95% RH @ 0~40°C (non-condensing)		
Noise level				55 dB		60 dB
Dimensions (W × D × H) (mm)				400 × 800 × 1100		600 × 700 × 1500
Packaged dimensions (W × D × H) (mm)				490 × 920 × 1250		700 × 800 × 1650
Net / Gross weight (kg)	158 / 200	165 / 207	175 / 217	210 / 252	260 / 302	460 / 480

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.

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