

M U SERIES

6~1560kVA

1:1 M6U11 / M10U11

3:1 M6U31 / M10U31

3:3 M10U33 / MU15U33 / M20U33

M30U33 / M40U33



UPS Cabinet Control Panel



Module Control Panel

Features

- High frequency and double conversion on-line technology
- Advanced PFC technology
- 3U frame, rack-mounted and tower convertible
- EPO function
- Wide input voltage range
- Fully digitized microprocessor control
- Parallel redundancy
- Advanced battery management
- Lightning and surge protection, short circuit and overload protection
- Multilingual LCD and LED display
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP card slot

single module(3U)



6kVA / 10kVA 1:1 phase
6kVA / 10kVA 3:1 phase



10kVA / 15kVA / 20kVA
/ 30kVA 3:3 phase



40kVA 3:3 phase



Battery Cabinets(Optional)



3 U Battery Box Optional



Technical Specifications:

MODEL	UPS Frame	M300FA33
	UPS Module	M30U33
Capacity (VA/watts)	UPS Frame	300k
	UPS Module	30k/ 27k
INPUT		
Nominal voltage		380Vac, (3Ph+N+PE)
Operating voltage range		208~478Vac
Operating frequency range		40~70Hz
Power factor		≥0.99
Bypass voltage range		Max. voltage: 220V +25% (optional +10%, +15%, +20%) Min. voltage: -45% (optional -20%, -30%) Frequency protection range: ±10%
Harmonic distortion (THDi)		3% (100% non-linear load)
Generator input		Support
OUTPUT		
Output voltage		380Vac, (3Ph+N+PE)
Voltage regulation		± 1%
Power factor		0.9
Output frequency		1. Line Mode: ±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency (optional) 2. Battery Mode: (50/60 ±0.1%) Hz
Crest factor		3:1
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non linear load
Efficiency		95.0%
BATTERY		
Battery voltage		±240Vdc
Charge current	UPS Frame	100A (Max.)
	UPS Module	10A (Max.)
Backup time		Depends on the capacity of external batteries
SYSTEM FEATURES		
Transfer time		Utility to Battery: 0ms; Utility to Bypass: 0ms
Overload	Line Mode	Load ≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% turn to bypass mode immediately
	Bat. Mode	Load ≤110%: last 10min, ≤125%: last 1min, ≤150%: last 1s, ≥150% shut down UPS immediately
	Bypass Mode	Breaker 60A
Short circuit		Hold whole system
Noise suppression		Complies with EN62040-2
Communication interface		1. UPS Frame: RS232, RS485, Dry Contact, Intelligent slot x 2 (SNMP card, Relay card optional) 2. UPS Module: RS232
ENVIRONMENTAL		
Operating temperature		0 ~ 40 °C
Storage temperature		-25 ~ 55 °C
Humidity range		0 ~ 95% (non condensing)
Altitude		<1500m
Noise level		<70dB
PHYSICAL		
Dimension D x W x H (mm)	UPS Frame	1100x600x2000
	UPS Module	443 x 580 x 131 (3U)
Net weight (Kg)	UPS Frame	307
	UPS Module	33.5
STANDARDS		
Safety		IEC/EN62040-1, IEC/EN60950-1
EMC		IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8

Specifications are subject to change without prior notice.

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