

AlphaUPS YAL-M SERIES

6~200kVA

3:1 YAL-M3106 / YAL-M333110

3:3 YAL-M3310 / YAL-M3315 /
YAL-M3320



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-60kVA 3:3 phase



Battery Cabinets
(Optional)



3 U Battery Box Optional

Stock code 002518

Technical Specifications:

MODEL	YAL1100-30K	YAL1100-50K	YAL3100-30K	YAL3100-50K	YAL3100-100K	YAL3300-100K	YAL3300-200K	
Capacity (VA/watts)	UPS cabinet	6~30k / 6~30k	6~50k / 6~50k	6~30k / 6~30k	6~50k / 6~50k	6~100k / 6~80k	10~100k / 9~90k 10~200k / 9~180k	
	YAL module	6k / 6k	6k / 6k 10k / 10k	6k / 6k	6k / 6k	10k / 10k	10k / - / 60k	
INPUT								
Nominal voltage	220/230Vac		380/400Vac (3Ph+N+PE) or 220/230Vac			380/400/415Vac, (3Ph+N+PE)		
Operating voltage range	120~276Vac		208~478Vac or 120VAC~276Vac			208~478Vac		
Operating frequency range	40~70Hz							
Power factor	≥0.99							
Bypass voltage range	Max. voltage: 220V: +25% (optional +10%, +15%, +20%) 230V: +20% (optional +10%, +15%) 240V: +15% (optional +10%) Min. voltage: -45% (optional -20%, -30%)							
Bypass frequency range	Frequency protection range: ±10%							
Harmonic distortion (THDi)	≤5% (100% non-linear load)					≤2% (100% non-linear load)		
Generator input	Support							
OUTPUT								
Output voltage	220/230Vac					380/400/415Vac, (3Ph+N+PE)		
Voltage regulation	±1%							
Power factor	0.8					0.9/1 (Customized)		
Output frequency	Line Mode	±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency (optional)						
	Battery Mode	50/60(±0.1)Hz						
Crest factor	3:1							
Harmonic distortion (THD)	≤2% with linear load ≤5% with non-linear load							
Efficiency	≥94.5%					≥95.5%		
BATTERY								
Battery voltage	±96/±108/±120Vdc; battery quantity(optional)					±192/±204/±216/±228/±240Vdc; battery quantity(optional)		
Charge Current (A)	UPS cabinet	30 (Max.)			60 (Max.)		30 (Max.)	60 (Max.)
	HPM module	6 (Max.) (charge current can be set according to battery capacity installed)						
Backup time	Depends on the capacity of external batteries							
SYSTEM FEATURES								
Transfer time	Mains to Battery : 0ms; Mains 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 ; Load≤125%: last 1min ; Load≤150%: last 10second ; Load>150%: last 1second						
Short circuit	Bypass Mode	Breaker (6kVA:40A / 10kVA:60A)				Breaker (10kVA: 20A / 15kVA: 32A / 20kVA:40A)		
Short circuit	Hold whole system							
Communication interface	UPS cabinet : RS232, RS485, Dry Contact, Intelligent slot x 2 (SNMP card, Relay card optional)							
ENVIRONMENTAL								
Operating temperature	0°C~40°C							
Storage temperature	-25°C~55°C							
Humidity range	0~95% (non-condensing)							
Altitude	< 1500m							
Noise level	<55dB					<65dB		
PHYSICAL								
Dimension	UPS cabinet	600×840×1400		600×840×1400		600×840×2000	600×840×1400	600×1100×2000
	HPM module	580×443×131 (3U)						
D×W×H (mm)	UPS cabinet	138	150	138	150	213	170	270
	HPM module	6kVA/23kg; 10kVA/25kg; 15kVA/30kg; 20kVA/31kg						
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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