

HPM3300A SERIES

10~260kVA

3:3 HPM3310A / HPM3315A / HPM3320A



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)



10kVA / 15kVA 3:3 phase



20kVA 3:3 phase



Technical Specifications:

MODEL		HPM3310A-30k	HPM3310A-50k	HPM3310A-100k	HPM3315A-45k	HPM3315A-75k	HPM3315A-150k	HPM3320A-100k	HPM3320A-160k	HPM3320A-260k
Capacity (VA/watts)	UPS cabinet	10-30 / 9-27	10-50 / 9-45	10-100 / 9-90	15-45 / 13.5-40.5	15-150 / 13.5-67.5	15-150 / 13.5-135	20-100 / 18-90	20-160 / 18-144	20-260 / 18-234
	Module	10 / 9			15 / 13.5			20 / 18		
INPUT										
Nominal voltage		208/120V or 220/127V, 50/60Hz, 3-Phase, 4-Wire Plus Ground								
Input Voltage Range (Startup/Operating)		+25%, -25% (96-150V or 102-159V), Full load								
Input Voltage Range (Operating)		-40%, +25% (72-150V or 76-159V), <50% Load								
Operating frequency range		40Hz-70Hz								
Power factor		≥0.99								
Bypass voltage range		Max. voltage: +10, +15, +20 or 25% (default: +15) Min. voltage: -10, -20, -30 or -40 (default: -20)								
Bypass Frequency range		Frequency protection range: ± 10%								
Harmonic distortion (THDi)		3% (100% non-linear load)								
Generator input		Support								
OUTPUT										
Rated voltage		208/120V or 220/127V, 50/60Hz, 3-Phase, 4-Wire Plus Ground								
Voltage regulation		± 1%								
Power factor		0.9								
Output frequency	Line Mode	± 1% / ± 2% / ± 4% / ± 5% / ± 10% of the rated frequency (optional)								
	Bat. Mode	(50/60 ± 0.1)Hz								
Crest factor		3:1								
Harmonic distortion (THD)		≤2% with linear load ≤5% with non-linear load								
Efficiency		93.0%								
BATTERY										
Battery voltage		± 144Vdc (VRLA Float charge is ± 162V) 24 jars of 12V VRLA								
Charge Current(A)	UPS Cabinet	Max.current 18A	Max.current 30A	Max.current 60A	Max.current 30A	Max.current 50A	Max.current 100A	Max.current 50A	Max.current 80A	Max.current 130A
	UPS Module	6A Max. (charge current can be set according to battery capacity installed)			10A Max. (charge current can be set according to battery capacity installed)					
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 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, ≥ 150% shut down UPS immediately								
	Bypass Mode	Breaker 40A			Breaker 60A			95A		
Communication interface		UPS Cabinet: RS232, RS485, Parallel, Intelligent slot, Relay card(optional), SNMP card(optional), Battery temperature sensor(optional)								
ENVIRONMENTAL										
Operating temperature		0°C ~ 40°C								
Storage temperature		-25°C ~ 55°C								
Humidity range		0 ~ 95% (non-condensing)								
Altitude		<1500m								
Noise level		<70dB								
PHYSICAL										
Dimension W × D × H (mm)	UPS Cabinet	600 × 840 × 1400		600 × 1100 × 2000	600 × 840 × 1400		600 × 1100 × 2000	600 × 860 × 1400	600 × 860 × 2000	1200 × 860 × 2000
	module	443x580x131 (3U)								
Net weight (kg)	UPS Cabinet	149	152	290	158	170	307	249	312	514
	module	31			33.5			34		
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.