



Product 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

HPM SERIES

6 ~ 1560kVA

1:1 HPM1106 / HPM1110

3:1 HPM3106 / HPM3110

3:3 HPM 3310 / HPM3315 / HPM3320 /
HPM3325 / HPM3330 / HPM3340



Module Control
Panel



UPS Cabinet
Control Panel

Let's Talk.



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Technical Specifications:

MODEL		HPM1106-30KVA	HPM1110-50KVA	HPM3106-30KVA	HPM3110-50KVA	HPM3110-100KVA	HPM3320-60KVA	HPM3320-100KVA	HPM3320-200KVA	
Capacity (VA/watts)	UPS cabinet HPM module	6-30k / 4.8-24k 6-50k / 4.8-40k 6-30k / 4.8-24k 6-50k / 4.8-40k 6-100k / 4.8-80k 10-60k / 9-54k 10-100k / 9-90k 10-200k / 9-180k	6k / 4.8k, 10k / 8k							
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 120-276Vac			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%) Frequency protection range: ± 10%						
Harmonic distortion (THDi)				5%(100% non-linear load)			2%(100% nonlinear load)			
Generator input					Support					
OUTPUT										
Output voltage				220/230Vac			380/400/415Vac, (3Ph+N+PE)			
Voltage regulation				± 1%						
Power factor				0.8			0.91 (Customized)			
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				93.5%			95.5%			
BATTERY										
Battery voltage				± 96/ ± 108/ ± 120Vdc; battery quantity(optional)			± 192/ ± 204/ ± 216/ ± 228/ ± 240Vdc; battery quantity(optional)			
Charge Current	UPS cabinet HPM module	30A (Max.) 6A (Max.) (charge current can be set according to battery capacity installed)	60A (Max.)	30A (Max.)	60A (Max.)	18A (Max.)	30A (Max.)	60A (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 30S, ≤125%: last 1S, ≤150%: last 200ms, ≥150% shut down UPS immediately			Load ≤110%: last 10min, ≤125%: last 1min, ≤150%: last 1S, ≥150% shut down UPS immediately		
	Bypass Mode				Breaker (6kVA:40A / 10kVA:60A)			Breaker (10kVA: 20A / 15kVA: 32A / 20kVA:40A)		
Short circuit					Hold whole system					
Nose suppression					Complies with EN62040-2					
Communication interface					1. UPS cabinet : RS232, RS485, Dry Contact, Intelligent slot x 2(SNMP card, Relay card optional) 2. HPM series UPS module: RS232					
ENVIRONMENTAL										
Operating temperature					0 ~ 40°C					
Storage temperature					-25 ~ 55°C					
Humidity range					0 ~ 95% (non condensing)					
Altitude					<1500m					
Noise level				<55dB			<65dB			
PHYSICAL										
Dimension	UPS cabinet HPM module	840×600×1400 840×600×2000	840×600×1400 443x580x131 (3U)	840×600×2000	840×600×1400	840×600×1400	1100×600×2000			
D×W×H (mm)										
Net weight (Kg)	UPS cabinet HPM module	138 6kVA/23; 10kVA/25	150	138 150	213	149 10kVA/26; 15kVA/30; 20kVA/31	152	290		
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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