



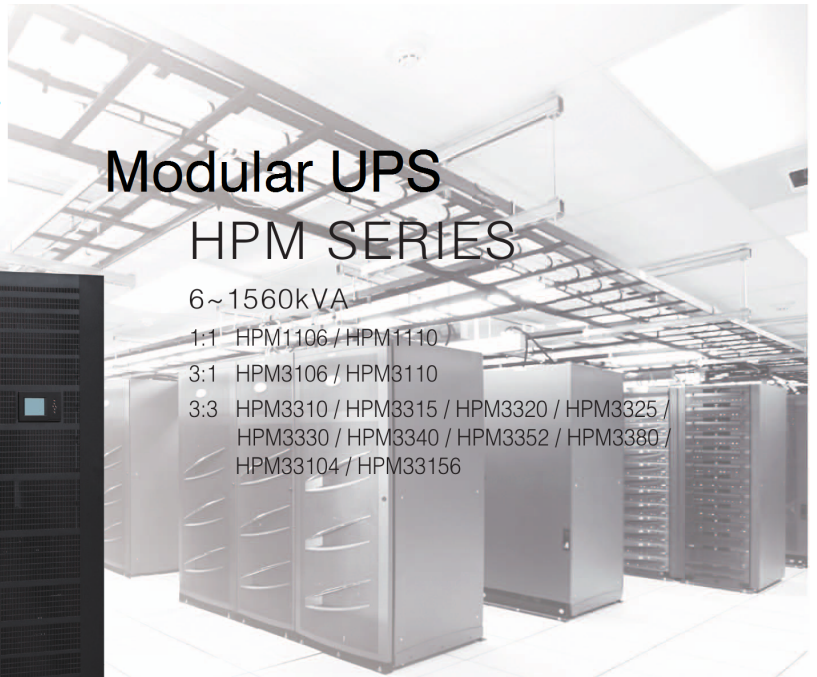
Modular UPS HPM SERIES

6~1560kVA

1:1 HPM1106 / HPM1110

3:1 HPM3106 / HPM3110

3:3 HPM3310 / HPM3315 / HPM3320 / HPM3325 /
HPM3330 / HPM3340 / HPM3352 / HPM3380 /
HPM33104 / HPM33156



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/25kVA/
30kVA/40kVA 3:3 phase



Battery Cabinets(Optional)



3 U Battery Box Optional

Technical Specifications:

MODEL		HPM1100-30K	HPM1100-50K	HPM3100-30K	HPM3100-50K	HPM3100-100K	HPM3300-100K	HPM3300-200K
Capacity (VA/watts)	UPS cabinet	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	10~100k / 9~90k	10~200k / 9~180k
	HPM module	6k / 4.8k, 10k / 8k				10k / 9k, 15k / 13.5k, 20k / 18k		
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%) 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		± 2%						
Power factor		0.8					0.9/1 (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 (THD)		≤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	30A (Max.)	60A (Max.)	30A (Max.)		60A (Max.)	30A (Max.)	60A (Max.)
	HPM module	6A (Max.) (charge current can be set according to battery capacity installed)						
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% shut down UPS 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	<55dB	<55dB	<55dB	<65dB	<65dB	<65dB
PHYSICAL								
Dimension	UPS cabinet	840 × 600 × 1400	840 × 600 × 2000	840 × 600 × 1400		840 × 600 × 2000	840 × 600 × 1400	1100 × 600 × 2000
D × W × H (mm)	HPM module	443x580x131 (3U)						
Net weight (Kg)	UPS cabinet	138	150	138	150	213	170	270
	HPM module	6kVA/23kg; 10kVA/25kg					10kVA/26; 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.



Australia PowerUps

Technical Specifications:

MODEL		HPM3300-250K	HPM3300-300K	HPM3300-400K	HPM3300-520K	HPM3300-800K	HPM3300-1040K	HPM3300-1560K	
Capacity (VA/watts)	UPS cabinet	250k / 225k	300k / 270k	400k / 360k	520k / 468k	800k / 720k	1040k / 936k	1560k / 1404k	
	HPM module	25k / 22.5k	30k / 27k			40k / 36k			
INPUT									
Nominal voltage		380/400/415Vac, (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%) 230v 20% (optional +10%,+15%) 240v 15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency protection range: ± 10%							
Harmonic distortion (THDi)		3%(100% nonlinear load)							
Generator input		Support							
OUTPUT									
Output voltage		380/400/415Vac, (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 (THD)		≤2% with linear load ≤5% with non linear load							
Efficiency		95.0%							
BATTERY									
Battery voltage		± 192\ ± 204\ ± 216\ ± 228\ ± 240Vdc; battery quantity(optional)							
Charge Current	UPS cabinet	60A (Max.)	100A (Max.)	130A (Max.)	200A (Max.)	260A (Max.)	390A (Max.)		
	HPM module	6A (Max.)		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% shut down UPS 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	40A	63A	100A					
Short circuit		Hold whole system							
Noise 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		<70dB			<73dB				
PHYSICAL									
Dimension D × W × H (mm)	UPS cabinet	600 × 1100 × 2000		1200 × 860 × 2000		3000 × 860 × 2000		4800 × 1100 × 2000	
	HPM module	443x580x131 (3U)							
Net weight (Kg)	UPS cabinet	290	310	750	860	1600	1810	2800	
	HPM module	32	33	35					
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*							

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