

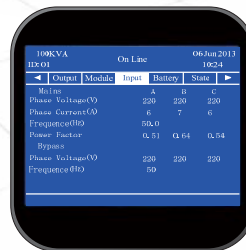
HPM SERIES

6~1560kVA

1:1 HPM1106 / HPM1110

3:1 HPM3106 / HPM3110

3:3 HPM3310 / HPM3315 / HPM3320 / HPM 3325 /
HPM3330 / HPM3340



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)



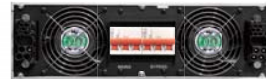
6kVA /10kVA 1:1 phase
6kVA /10kVA 3:1 phase



10kVA /15kVA / 20kVA / 25kVA / 30kVA 3:3 phase



40kVA 3:3 phase



Battery Cabinets(Optional)



3 U Battery Box Optional

Technical Specifications:

| MODEL | | HPM1106-30KVA | HPM1110-50KVA | HPM3106-30KVA | HPM3110-50KVA | HPM3110-100KVA | HPM3320-60KVA | HPM3320-100KVA | HPM3320-200KVA | |
|----------------------------|-------------|---|-----------------|-----------------|-------------------------------------|------------------|----------------------------------|--|------------------|--|
| 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 | 10~60k / 9~54k | 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 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 | | | | | | 0.9/1 (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 (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 | 30A (Max.) | 60A (Max.) | 30A (Max.) | | 60A (Max.) | 18A (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% 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 | | | | | | | | |
| 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 | | <55dB | | | | | | <65dB | | |
| PHYSICAL | | | | | | | | | | |
| Dimension D×W×H (mm) | UPS cabinet | 840×600×1400 | 840×600×2000 | 840×600×1400 | | 840×600×2000 | 840×600×1400 | | 1100×600×2000 | |
| | HPM module | 443x580x131 (3U) | | | | | | | | |
| Net weight (Kg) | UPS cabinet | 138 | 150 | 138 | 150 | 213 | 149 | 152 | 290 | |
| | HPM module | 6kVA/23; 10kVA/25 | | | | | | 10kVA/26; 15kVA/30; 20kVA/31 | | |
| 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.

Technical Specifications:

| MODEL | | HPM3325-250KVA | HPM3330-90KVA | HPM3330-150KVA | HPM3330-300KVA | HPM3340-200KVA | HPM3340-320KVA | HPM3340-400KVA | HPM3340-520KVA | HPM3340-800KVA | HPM3340-1280KVA | HPM3340-1560KVA |
|----------------------------|-------------|---|------------------------------------|----------------|----------------|----------------|---|----------------|----------------|----------------|-----------------|-----------------|
| Capacity (VA/watts) | UPS cabinet | 250k / 225k | 90k / 81k | 150k / 135k | 300k / 270k | 200k/180k | 320k/288k | 400k / 360k | 520k / 468k | 800k / 720k | 1280k / 1152k | 1560k / 1404k |
| | HPM module | 25k / 22.5k | 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 -10%,-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 (THDv) | | ≤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.) | 30A(Max.) | 50A(Max.) | 100A(Max.) | 50A(Max.) | 80A(Max.) | 100A(Max.) | 130A (Max.) | 200A (Max.) | 320A (Max.) | 390A (Max.) |
| | HPM module | 6A (Max.) | 25kVA:6A (Max.) / 30kVA:10A (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% turn to bypass mode immediately | | | | | | | | | | |
| | Bat. Mode | Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 1s, ≥150% shut down UPS immediately | | | | | Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% shut down UPS immediately | | | | | |
| | Bypass Mode | Breaker (25kVA:40A) | Breaker (25kVA:40A / 30kVA:60A) | | | | 40kVA:95A | | | | | |
| 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℃ | | | | | | | | | | |
| Storage temperature | | -25~55℃ | | | | | | | | | | |
| Humidity range | | 0~95% (non condensing) | | | | | | | | | | |
| Altitude | | <1500m | | | | | | | | | | |
| Noise level | | <70dB | | | | <65dB | <70dB | <73dB | | | | |
| PHYSICAL | | | | | | | | | | | | |
| Dimension D×W×H (mm) | UPS cabinet | 600×1100×2000 | 600×840×1400 | | 600×1100×2000 | 600×860×1600 | 600×860×2000 | 1200×860×2000 | | 3400×860×2000 | | 4800×1100×2000 |
| | HPM module | 443×580×131 (3U) | | | | | | | | | | |
| Net weight (Kg) | UPS cabinet | 290 | 158 | 170 | 307 | 251 | 320 | 540 | 1200 | 1400 | 2800 | |
| | HPM module | 32 | 25kVA/32; 30kVA/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.