

PowerHeart M

62.5~2000kVA Modular UPS

Power range

62.5 ~2000 kVA

Operation

3P/3P, online double conversion

Designed to **CARE**

Large Colo & cloud Data Center.

Characteristics

- Fully digital control, flexible and robust.
- 10 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Intelligent system self-diagnosis, rich fault recording, large capacity of history record storage space.
- Maximum system capacity up to 2.0MVA, the best solution for mega data center.



| Model | | PHMM400 | PHMM500 | PHMM800 | PHMM1000 | PHMM1200 | PHMM1500 | PHMM2000 |
|-----------------------------|-----------------------|---|-------------------|------------------|--------------------|----------------------|----------|----------|
| Rate Power | | 400kVA | 500kVA | 800kVA | 1000kVA | 1200kVA | 1500kVA | 2000kVA |
| Main input | Input | 3P5W (3P+N+PE) | | | | | | |
| | Rate Voltage | 380/400/415VAC(L-L);220/230/240VAC(L-N) | | | | | | |
| | Rate Freq. | 50/60Hz | | | | | | |
| | Input PF | >0.99 | | | | | | |
| | Current distortion | THDi<3%(100% Linear load) | | | | | | |
| | Voltage range | 304 - 478VAC(L-L)full load 304 228VAC (L-L) power derate from 100% to 75% | | | | | | |
| | Freq. range | 40-70Hz | | | | | | |
| Battery | Rate voltage | ±240VDC | | | | | | |
| | Charging capacity | 20%*Pout | | | | | | |
| | Charging accuracy | ±1% | | | | | | |
| Bypass | Rate voltage | 380/400/415VAC(L-L);220/230/240VAC(L-N) | | | | | | |
| | Voltage range | Range: -40% +25% , Settable, default -20% +15% | | | | | | |
| | Overload | 110%, long time operation 110%< load<125%, 5 mins 125%<load<150%,1 min >150%,1 second | | | | | | |
| Inverter | Rate voltage | 380/400/415VAC(L-L);220/230/240VAC(L-N) | | | | | | |
| | Rate Freq. | 50/60Hz | | | | | | |
| | Output PF | 1 | | | | | | |
| | Voltage accuracy | ±1.0% | | | | | | |
| | Load response | <5% (20% - 80% -20% step load) | | | | | | |
| | Recovery time | < 20ms (0% - 100% -0% step load) | | | | | | |
| | Output THDu | <1%(linear load),<5% (non-linear load according to IEC 62040-3) | | | | | | |
| | Overload | 110%,1 hour 125%,10 mins 150%,1 min >150%,200ms | | | | | | |
| | Frequency accuracy | 0.1% | | | | | | |
| | Synchronize window | Settable ±0.5Hz-±5Hz default ±3Hz | | | | | | |
| | Slew rate | Settable 0.5Hz/S-3Hz/S default 0.5Hz/S | | | | | | |
| | Crest factor | 3:1 | | | | | | |
| | Phase Accuracy | 120°±0.5° | | | | | | |
| System | Efficiency | Normal Mode up to 96%; Battery Mode up to 96% | | | | | | |
| | Display | LED + 10 inch touch LCD | | | | | | |
| | Certification- Safety | IEC62040-1, IEC60950-1 | | | | | | |
| | Certification- EMS | IEC62040-2 | IEC61000-4-2(ESD) | IEC61000-4-3(RS) | IEC61000-4-4 (EFT) | IEC61000-4-5 (Surge) | | |
| | IP degree | IP20 | | | | | | |
| | Configuration | USB, RS232, RS485, Dry contact, Cold start, Air filter | | | | | | |
| | Option | SNMP card AS400 card Parallel kit SPD LBS | | | | | | |
| | Environment | 0-40°C (operation); -25°C ~70°C (storage) 0-95% (Humidity, non-condensing) | | | | | | |
| | Noise(dB)(1 meter) | 72dB @ 100% load, 69dB @ 45% load | | | | | | |
| Dimension | Cabinet(W*D*H)mm | 1200*1000*2000 | 2000*1000*2000 | 2800*1000*2000 | 3600*1000*2000 | | | |
| | Module(W*D*H)mm | 442*659*174 | | | | | | |
| Weight(kg) | Cabinet | 350 | 600 | 850 | 1100 | | | |
| | Module | 41 | | | | | | |
| Power Module rated capacity | | 50KW | 62.5KW | 50KW | 62.5KW | 50KW | 62.5KW | |