

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	