

PowerHeart M

10~60kVA Modular UPS (208V)

Power range

10 ~60 kVA

Operation

3P/3P,3P/1P,1P/1P,Online double conversion

Designed to **CARE**

Small & Medium Data Center, High Density Smart Solutions,
Light Industrial Applications, Smart Industry, Medium and Large
Offices, Corporate Buildings.

Characteristics

- Mounted in 19 inch rack, or stand alone.*
- 7 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Extreme high power density, 10kW in 2U, friendly for space and maintenance.
- Option of 30A charger module for long backup applications.



Model		PHMM020/10-LV	PHMM040/10-LV	PHMM060/10-LV
Rate Power		20kVA/20kW	40kVA/40kW	60kVA/60kW
Battery	Input	3P5W (3P+N+PE)		
	Rate Voltage	200/208/220VAC(L-L)		
	Rate Freq.	50/60Hz		
	Input PF	>0.99		
	Current distortion	THDi<3%(100% Linear load)		
	Voltage range	166 261VAC(L-L)full load; 125 166VAC (L-L) power derate from 100% to 50%		
	Freq. range	40-70Hz		
Bypass	Rate voltage	+120VDC		
	Charging capacity	20%“Pout		
	Charging accuracy	+1%		
Inverter	Rate voltage	200/208/220VAC(L-L)		
	Rate Freq.	Range: -40%- +25% , Settable, default -20% +15%;		
	Output PF	110%, long time operation; 110%< load<125%, 10 mins; 125%<load<150%,1 min		
	Voltage accuracy	200/208/220VAC(L-L)		
	Load response	50/60Hz		
	Recovery time	1		
	Output THDu	+1.0%		
	Overload	<5% (20% - 80% -20% step load)		
	Frequency accuracy	< 20ms (0% - 100% -0% step load)		
	Synchronize window	<1%(linear load),<5% (non-linear load according to IEC 62040-3)		
	Slew rate	110%,1 hour; 125%,10 mins ; 150%,1 min ; >150%,200ms		
	Phase Accuracy	0.1%		
System	Efficiency	Normal Mode up to 94% , Battery Mode up to 94%		
	Display	LED + 7 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		
	Option	SNMP card, AS400 card, Parallel kit, LBS, Air filter, Bottom entry kit		
	Environment	0-406 (operation); -25°C -70°C (storage); 0-95% (Humidity, non-condensing)		
	Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load		
Dimention	cabinet(W*D*H)mm	482*700*396 (9U , wheels not included)	482*700*662(15U , wheels not included)	482*700*840(19U, wheels not included)
	module(W*D*H)mm	440*555*85 (2U)		
Weight(kg)	Cabinet	55	92	94
	Module	17		
Power Module rated capacity		12KW		