



# *POWERHEART M* *UPS CATALOGUE*



# PowerHeart M

## 20~100kVA Modular UPS (208V)

### Internal 7/9Ah modular battery strips



#### Power range

20 ~100 kVA



#### Operation

3P/3P, Onlinedouble conversion



#### Designed to **CARE**

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



#### Characteristics

- 10 inch touch LCD with IoT functions.
- High power density, small volume.
- High reliability and environment adaptability.
- Optional full metal battery strips, with internal batteries capable of configuring up to 24 battery module strips.
- Standard configuration for mains input/output, maintenance bypass, battery breaker.

Power module

Full metal  
battery strips  
(Optional)



Model		PHMM060/20-240	PHMM100/20-240
Rate Power		60kVA	100kVA
Main input	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 75%	
	Freq. range	40~70Hz	
Battery	Rate voltage	±120VDC	
	Model	UPS with internal batteries,12VDC/7~9Ah	
	Quantity	240PCS	
	Charging capacity	20%*Pout	
	Charging accuracy	±1%	
Bypass	Rate voltage	200/208/220VAC(L-L)	
	Voltage range	Range: -40%- +25%, Settable, default -20% +15%	
	Frequency range	50/60Hz Settable ±1Hz ±3Hz ±5Hz	
Inverter	Rate voltage	200/208/220VAC(L-L)	
	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 94%; Battery Mode up to 94%	
	Display	LED + 10 inch touch LCD	
	Certification- Safety	IEC2040-1, IEC60950-1	
	Certification- EMS	IEC62040-2, IEC1000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)	
	IP degree	IP20	
	Configuration	USB, RS232, RS485, Dry contact, Air filter	
	Option	SNMP card, AS400 card, Parallel kit, LBS, Cold start	
	Environment	0-40℃ (operation -25℃ ~70℃ (storage) ; 0-95% (Humidity, non-condensing )	
Dimension (W*D*H) mm	Cabinet	600*1000*2000	
	Module	440*678*86 (2U)	
Weight(kg)	Cabinet (Batteries Not included)	260	280
	Module	23	
Power module rated capacity		20KW	

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