

High-Frequency Type

MODULAR UPS

HM-B SERIES 50KVA-600KVA

3 PH INPUT / 3 PH OUTPUT

FEATURES

- ◆ N+X parallel redundancy design, and the system availability up to 99.999%.
- ◆ Using hot-swap technology, modules can be added online and pulled out online to achieve "zero" maintenance time.
- ◆ The LCD touch screen of the cabinet provides rich UPS status information.
- ◆ Using advanced three-level technology and digital control, the system is stable and reliable, and the efficiency of the whole machine is up to 96%.
- ◆ High power density design, output can be connected to completely unbalanced loads.
- ◆ Intelligent design, battery capacity and charging current can be set through the LCD panel.
- ◆ The number of batteries is optional, and the battery pack can be shared in parallel mode.
- ◆ Strong load adaptability for linear and nonlinear load.



SPECIFICATION

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MODEL		HM-B 300	HM-B 400	HM-B 500	HM-B 600
CAPACITY					
UPS Cabinet		50-300kVA	50-400KW	50-500KW	50-600KW
Power Module		50KW			
Max Quantity of Module		6	8	10	12
INPUT					
Main Input	Rated Input Voltage	380/400/415Vac			
	Input Voltage Range	138~485Vac			
	Wiring	3P4W+G			
	Frequency Range	40~70Hz			
	Input Power Factor	≥0.99			
	Input Current Harmonic Wave	≤3% (100% non-linear)			
Bypass Input	Rated Input Voltage	380/400/415Vac			
	Input Voltage Range	220 upper limit: 25%(optional +10%、+15%、+20%) / 230 upper limit: 20%(optional +10%、+15%) 240 upper limit: 15%(optional +10%) / Lower limit: -45% (optional -20%、-30%)			
	Wiring	3P4W+G			
	Bypass synchronization tracing range(Hz)	± 10%			
Generator		Support			
Power Walking In		Support			
Bypass Flow Backward		Support			
OUTPUT					
Voltage		380/400/415Vac ± 1%			
Power Factor		1			
Frequency		Mains Mode : ±1% / ±2% / ±4% / ±5% / ±10% Settable ; Battery Mode : (50/60 ± 1%) Hz			
Waveform		Sine Wave			
Crrst Factor		3 : 1			
Input Current Harmonic Wave		≤ 2% (100% linear load) ; ≤ 3% (100% non-linear load)			
Conversion Time		0ms			
Efficiency		96%			
Overload Capacity		110% load: convert to bypass after 60 mins; 125% load: convert to bypass after 10 mins; 150% load: convert to bypass after 1 min			
BATTERY					
Maximum charging current of module		20			
Battery Voltage		30-50 pcs optional, default 36 pcs; Optional voltage: ±180Vdc/±192Vdc/±204Vdc/±216Vdc/±228Vdc/±240Vdc ±252Vdc/±264Vdc/±276Vdc/±288Vdc/±300Vdc; (30/32/34/36/38/40/42/44/46/48/50 pcs of battery)			
ENVIRONMENT					
Operating Temperature		0~40℃			
Storage Temperature		-25 ~ 55℃ (excluded battery)			
Humidity Range		0-95% (non-condensing)			
Altitude		< 1500m (derating if exceeding 1500m)			
Noise (1 meter distance)		< 68dB	< 70dB		
OTHER FUNCTIONS					
Protection Function		Short circuit; overload; over temperature; output overvoltage or undervoltage; battery undervoltage; fan fault alarm; bypass flow backward; anti-thunder			
Alarm Function		Mains abnormal; Overload; UPS fault; Battery undervoltage and other alarms			
Communication Function		CAN; RS485; Network Port; Dry contact Port; Parallel Port; LBS Port; Intelligent Slot; Temperature Sensor Port			
PHYSICAL CHARACTERISTIC					
Dimension (LxWxH) mm	Cabinet	600*850*2000	1200*850*2000	1200*850*2000	
	Module	440*620*130			
Weight (Net Weight) kg	Cabinet	260	280/600	645	720
	Module	36			
Operative Standard		YD/T 2165-2010			

* Product specifications are subject to change without further notice.