

High-Frequency Type

MODULAR UPS

HM-A SERIES
30KVA-300KVA

3 PH INPUT / 3 PH OUTPUT

FEATURES

- ◆ High power density modular design, UPS modules can be added and removed online, achieving zero maintenance time.
- ◆ N+X parallel redundancy design, and the system availability up to 99.999%.
- ◆ A maximum of four cabinets can be parallel,and battery pack can be shared when UPS cabinet in parallel.
- ◆ The LCD touch screen of the cabinet provides rich UPS status information.
- ◆ Intelligent design, the number of batteries is optional, battery capacity and charging current can be set through the LCD panel.
- ◆ Safe and Easy to Maintain, With EPO function and REPO function.
- ◆ RS232/RS485 communication interface/SNMP card (optional),can realize remote monitoring of UPS.
- ◆ Each module has built-in automatic bypass switch and corresponding bypass current equalizing inductor, providing good bypass power supply equalization performance.



SPECIFICATION

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MODEL	HM-A 90		HM-A 150	HM-A 300
CAPACITY				
UPS Cabinet	30-90kVA		30-150kVA	30-300kVA
Power Module	30kVA			
INPUT				
Input Form	3P4W+G			
Rated Voltage	380/400/415Vac			
Voltage Range	208~478Vac			
Frequency Range	40~70Hz			
Input Power Factor	≥0.99			
Bypass Range	380 upper limit: 25% (optional +10%、+15%、+20%) ; 400 upper limit: 20% (optional +10%、+15%)			
	415 upper limit: 15% (optional +10%) ; Lower limit: -45% (optional -20%、-30%) ; Bypass frequency protection range: ± 10%			
Input Current Harmonic Wave	≤3% (100% non-linear)			
OUTPUT				
Output Form	3P4W+G			
Rated Voltage	380/400/415Vac			
Output Power Factor	0.9 or 1			
Voltage Accuracy	±1%			
Output Frequency	Mains Mode: Synchronization with input; when mains frequency exceeds maximum value ±10% (can be set ±1%、±2%、±4%、±5%)			
	output frequency 50X(±0.2%)Hz ; Battery Mode: (50/60 ± 0.2%) Hz.			
Crest Factor	3 : 1			
Conversion Time	Mains mode → bypass mode : 0ms (tracking) ; Mains mode→ battery mode: 0ms			
Overload Capacity	Load≤110%: 60 mins; Load≤125%: 10 mins; Load≤150%: 1 min; Load≥ 150%, shutdown immediately			
Output Voltage Harmonic Wave	≤ 2% (100% linear)			
Efficiency	In normal mode 95%			
Communication Port	RS232、RS485、Intelligent Slot*2 、 Dry connect port			
BATTERY				
Battery Voltage	±192Vdc/±204Vdc/±216Vdc/±228Vdc/±240Vdc; (32/34/36/38/40pcs of battery to select)			
Charging Current	30A Max (UPS Cabinet)	50A Max (UPS Cabinet)	100A Max (UPS Cabinet)	
	Power Module: 10A Max			
ENVIRONMENT				
Operating Temperature	0~40℃			
Relative Humidity	0-95% (non-condensing)			
Storage Temperature	-25 ~ 55℃ (excluded battery)			
Altitude	< 1500m (derating if exceeding 1500m)			
Physical Characteristic				
Outer Dimension (LxWxH) mm	Cabinet : 840×600×1400			Cabinet : 1100×600×2000
	Module : 580×443×131			
Weight (Net Weight) kg	158	170	305	
	30K module: 33.5kgs			
Operative Standard	YD/T 2165-2010			

* Product specifications are subject to change without further notice.