

MS Series 50KVA - 720KVA

Modular Online UPS Power Melody Star Series

MS Star Series 50KVA - 720KVA (3ph in / 3ph out)

Key Features:

- **High Reliability Design**
Ultra-wide input voltage range 138~485Vac (phase voltage 80~280Vac), no derating is used above 305Vac
- **Energy Saving And Environmental Protection**
High input PF value, up to 0.99, adopts three-level topology, and the efficiency of the whole machine is as high as 96.5%
- **Parallel Redundancy Function**
Parallel directly, 6 units can be connected in parallel, supporting parallel sharing of battery packs
- **Flexible Battery Configuration Scheme**
The number of battery cells is 30~50, and the single machine has large capacity charging power to meet the backup demand of long delay.
- **Super Load Capacity**
The output power factor is 0.9, can carry 100% unbalanced load, the load adaptability is strong, can carry the pure inductive load and the capacity load close to full load
- **Compatible With Generator Operation**
The Power Walk In function reduces the inrush current of system startup and reduces the demand for generator capacity of the parallel system
- **LBS Synchronization Function**
With LBS synchronization function, realize the synchronization of two independent UPS systems, and provide system reliability
- **Intelligent Management Function**
Support RS485, SNMP, dry contact, CAN interface



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Technical Specification:

Model		MS 200KVA / MS 240KVA	MS 300KVA / MS 360KVA	MS 400KVA / MS 480KVA	MS 600KVA / MS 600KVA	MS 600KVA / MS 720KVA
Capacity	UPS Cabinet	50 - 200KVA / 60 - 240KVA	50 - 300KVA / 60 - 360KVA	50 - 400KVA / 60 - 480KVA	50 - 600KVA / 60 - 600KVA	50 - 600KVA / 60 - 720KVA
	Module	50KVA / 60KVA				
INPUT						
Input Method	Three-Phase Four-Wire + Ground Wire					
Rated Voltage	380 / 400 / 415VAC					
Voltage Range	±25%					
Frequency Range	40 ~ 70Hz					
Power Factor	≥0.99					
Input Current Harmonics	≤3% (100% Linear Load)					
Bypass Input						
Input Voltage	380 / 400 / 415VAC					
Bypass Range	Upper Limit of Bypass Protection Voltage: +15% (Optional +5%, +10%, +25%)					
	Lower Limit of Bypass Protection Voltage: -45% (Optional -20%, -30%)					
Wiring System	Three-Phase Five-Wire					
Bypass Synchronization Tracking Range (Hz)	±10%					
Power Walking In	Support					
Bypass Back Irrigation	Support					
Generator Access	Support					
Output						
Rated Voltage	380 / 400 / 415VAC					
Power Factor	Power Module 50KVA : 1.0 PF; Power Module 60KVA : 0.9 PF					
Voltage Accuracy	±1%					
Output Frequency	Mains Mode	Synchronize with the input; when the mains frequency exceeds the maximum ±10% (can be set to ±1%, ±2%, ±4%, ±5%), the output frequency is 50*(±0.2) Hz				
	Battery Mode	(50 / 60 ± 0.1%) Hz				
Load-to-Peak Ratio	3:1					
Switching Time	Mains mode to bypass mode: 0ms (tracking); Mains mode to battery mode: 0ms					
Overload Capacity	Load ≤110%, 60min, ≤125%, Maintain 10min, ≤150%, Maintain 1min					
Output Voltage Distortion	≤2% Linear Load					
	≤4% Non-linear Load					
Efficient						
Normal Mode	≥96.5%					
Communication interface						
UPS Cabinet	RS232 , RS485、 2Pcs Intelligent slot (Smart card slot), Dry contact					
Battery						
DC Voltage	±180VDC ~ ±300VDC Adjustable					
Working Environment						
Operating Temperature	0°C ~ 40°C					
Relative Humidity	0 ~ 95% Non-Condensing					
Stored Temperature	-25°C ~ 55°C					
Altitude	< 1500m					
Noise(Db)	70(1m)					
Physical Characteristics						
W*D*H(MM)	UPS Cabinet	600*850*1650		600*850*2000		1200*850*2000
		700*950*1800		700*950*2180		1300*950*2180
	Power Module	440*620*130				
		580*870*250				
N.W. (KG)	UPS Cabinet	230	260	280	650	700
G.W. (KG)		280	310	320	730	800
N.W. (KG)	Power Module	33				
G.W. (KG)		36				
Executive Standard	CE , EN / IEC 62040-2、 EN / IEC 62040-1-1、 YD / T1095-2010					

*Product specifications are subject to change without further notice