



MS Series 20KVA - 300KVA

Modular Online UPS Power Melody Star Series

MS Star Series 20KVA - 300KVA (3ph in / 3ph out)

Key Features:



- Digital control, the control system is more stable and reliable
- Single module capacity 20/25/30KVA, module height is 3U
- Hot-swappable technology is used between the module and the cabinet
- Adopt 19-inch standard cabinet appearance (1.4m/2m optional)
- The number of redundant modules can be set arbitrarily
- Each module adopts independent control system
- Supports parallel connection between cabinets, the maximum number of parallel units is 4 cabinets
- Adopt decentralized bypass power supply, each module has built-in automatic bypass switch and corresponding bypass current-sharing inductance
- When multiple UPS modules or cabinets are paralleled, the battery pack can be shared
- The user can set the charging current, and the constant current, constant voltage and floating charging modes can be automatically and smoothly switched
- Battery voltage can be arbitrarily configured $\pm 180\text{VDC} \sim \pm 300\text{VDC}$
- LCD color screen display, with touch function, Chinese/English bilingual optional
- Embedded on the panel of the monitoring unit-emergency shutdown (EPO) button

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Technical Specification:

Model		MS60KVA / 75KVA / 90KVA	MS100KVA / 125KVA / 150KVA	MS200KVA / 250KVA / 300KVA
Capacity	UPS Cabinet	20-60KVA / 25-75KVA / 30-90KVA	20-100KVA / 20-120KVA / 25-125KVA / 30-150KVA	20-200KVA / 25-250KVA / 30-300KVA
	Module	20KVA / 25KVA / 30KVA		
INPUT				
Input Method	Three-Phase Four-Wire + Ground Wire			
Rated Voltage	380 / 400 / 415VAC			
Voltage Range	208 ~ 478VAC			
Frequency Range	40 ~ 70Hz			
Power Factor	≥0.99			
Bypass Range	Upper Limit of Bypass Protection Voltage: +15% (Optional +5%, +10%, +25%)			
	Lower Limit of Bypass Protection Voltage: -45% (Optional -20%, -30%)			
	Bypass Frequency Protection Range: ±10%			
Input Current Harmonics	≤3% (100% Non-Linear Load)			
Output				
Output Method	Three-Phase Four-Wire + Ground Wire			
Rated Voltage	380 / 400 / 415VAC			
Power Factor	Power Module 20KVA / 25KVA : 1.0 PF; Power Module 30KVA : 0.9 PF			
Voltage Accuracy	±2%			
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 ± 0.2%) 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, ≥150%, Shut down immediately			
Output Voltage Distortion	≤2% Linear Load			
	≤5% Non-linear Load			
Efficient				
Normal Mode	≥95%			
Communication interface				
UPS Cabinet	RS232 , RS485、 2Pcs Intelligent slot (Smart card slot)			
Battery				
DC Voltage	±180VDC ~ ±300VDC Adjustable			
Recharging Current	UPS Cabinet	45A max	75A max	150A max
	Power Module	15A max		
Working Environment				
Operating Temperature	0°C ~ 40°C			
Relative Humidity	0 ~ 95% Non-Condensing			
Stored Temperature	-25°C ~ 55°C			
Altitude	< 1500m			
Physical Characteristics				
W*D*H(MM)	UPS Cabinet	600*840*1400	600*840*1400	600*1100*2000
		730*970*1570	730*970*1570	718*1218*2200
	Power Module	443*580*131		
		570*710*230		
N.W. (KG)	UPS Cabinet	157	169	306
G.W. (KG)		202	214	351
N.W. (KG)	Power Module	33		
G.W. (KG)		36		
Executive Standard	CE , EN / IEC 62040-2、 EN / IEC 62040-1-1、 YD / T1095-2008			
*Product specifications are subject to change without further notice				