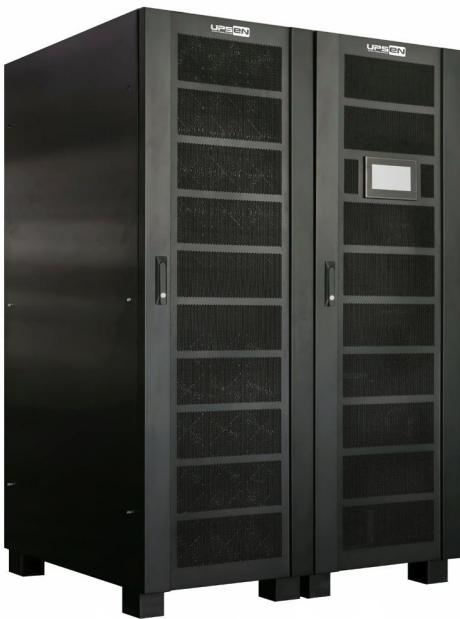


MS Series 40KVA - 400KVA

Modular Online UPS Power Melody Star Series

MS Star Series 40KVA - 400KVA (3ph in / 3ph out)



Key Features:

- Digital control, the control system is more stable and reliable
- Single module capacity 40KVA, 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

Shenzhen UPSen Electronic CO., Ltd.

www.upsen.net

Technical Specification:

Model		MS 120KVA	MS 200KVA	MS 400KVA
Capacity	UPS Cabinet	40 - 120KVA	40 - 200KVA	40 - 400KVA
	Module	40KVA		
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		0.8		
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				