

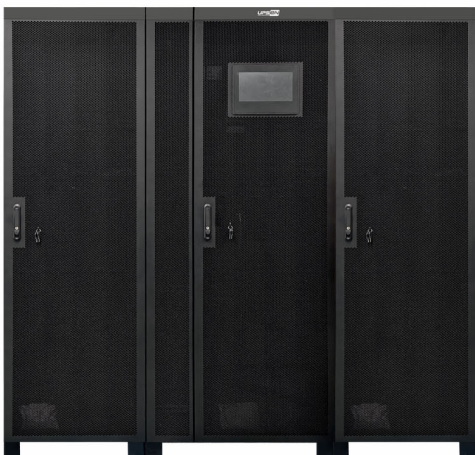
MS Series 100KVA - 1200KVA

Modular Online UPS Power Melody Star Series

MS Star Series 100KVA - 1200KVA (3ph in / 3ph out)

Key Features:

- **High Reliability Design**
Ultra-wide input voltage range 138~485Vac ,
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 600KVA	MS 800KVA	MS 1000KVA	MS 1200KVA
Capacity	UPS Cabinet	100 - 600KVA	100 - 800KVA	100 - 1000KVA	100 - 1200KVA
	Module	100KVA / 100KW			
	Max. Module Number	6	8	10	12
INPUT					
Input Method		Three-Phase Four-Wire + Ground Wire			
Rated Voltage		380 / 400 / 415VAC			
Voltage Range		138 ~ 485Vac; 305 ~ 485Vac no derated load, 138 ~ 305Vac derated load			
Frequency Range		40 ~ 70Hz			
Power Factor		≥0.99			
Input Current Harmonics		≤3% (100% Linear Load)			
Bypass Voltage Range		Max.Voltage: 25% (Optional +10%, +15%,+20%) ; Min.Voltage: -45%(Optional -10%, -20%,-30%) Frequency Protection Range: ±10%			
Output					
Rated Voltage		380 / 400 / 415VAC			
Power Factor		1.0 PF			
Voltage Accuracy		±1%			
Output Frequency	Mains Mode	±1% / ±2% / ±4% / ±5% / ±10% of the rated frequency (Optional)			
	Battery Mode	(50 / 60 ± 0.1%) Hz			
Load-to-Peak Ratio		3:1			
Overload Capacity		load ≤ 110%: Transfer to bypass mode after 60 min 110% < load ≤ 125%: Transfer to bypass mode after 10 min 125% < load ≤ 150%: Transfer to bypass mode after 1 min			
Output Voltage Distortion		≤2% Linear Load; ≤3% Non-linear Load			
Efficient					
Normal Mode		≥96.5%			
Transfer Time		Utility to Battery : 0ms; Utility to Bypass: 0ms			
UPS Cabinet Communication interface		CAN, RS485, FE, LBS, Parallel, Relay card, SNMP card(Optional)			
Battery					
DC Voltage		Optional Voltage: 360V / 384V / 408V / 432V / 456V / 480V / 504V / 528V / 552V / 576V / 600Vdc (30/32/34/36/38/40/42/44/46/48/50pcs Battery Optional) (Default 40pcs(480VDC); No center line 36pcs to 50pcs(432VDC - 600VDC) - Output power remains unaffected (PF 1.0); 32pcs to 34pcs(384VDC - 408VDC) - Reduce the output power to 0.9 (PF 0.9); 30pcs(360VDC) - Reduce the output power to 0.8 (PF 0.8);			
Module Charge Current (A) Max.		20A			
Protection					
Short Circuit		Hold Whole System			
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut Down UPS Immediately			
Battery Low		Alarm and Switch off			
Self-diagnostics		Upon Power on and Software Control			
EPO		Shut down UPS immediately			
Battery		Advanced Battery Management			
Noise Suppression		Complies with EN62040-2			
Display					
Audible & Visual		Line Failure, Battery Low, Overload, System Fault			
Status LED		UPS Fault, Alarm and normal			
Reading on the LCD		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Parameter Set, History Record			
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					
UPS Cabinet W*D*H(MM)		800*1000*2000	1800*1000*2000		
Cabinet Packing Size W*D*H(MM)		1000*1200*2170	2000*1200*2170		
UPS Cabinet N.W. (KG)		440	720	760	780
UPS Cabinet G.W. (KG)		540	820	860	880
Power Module W*D*H(MM)		440*750*131			
Power Module Packing Size W*D*H(MM)		580*1000*250			
Power Module N.W. (KG)		50			
Power Module G.W. (KG)		55			
Executive Standard		CE, EN/IEC 62040-3,EN/IEC 62040-1-1			
*Product specifications are subject to change without further notice					