


Low Frequency Online UPS

MODEL	MS-40KVA	
Capacity	40KVA	
	32KW	
PICTURE		
Main Features	<ul style="list-style-type: none"> • DSP Technology • Active input power factor correction (PFC) • Zero power switch delay • Active Load Management • The load power factor is 0.8 • Generator Supportable • Advanced Current Control • IGBT power component • Online Maintenance 	<ul style="list-style-type: none"> • Low frequency and double conversion on-line technology • EPO Function • ECO energy-saving mode • Parallel redundancy • Advanced battery management • High reliability and power supply • High efficiency and low cost • Imitation screen and personality operation interface
Detailed Specifications	Work way	Online supply power, static bypass switch, double conversion technology
	Input Phase	Three phase + N + G
	Input voltage	380VAC ± 25%
	Input frequency	50Hz ± 10%
	Soft start	0 – 100% 5 second
	Battery capacity and quantity	32 piece (40 piece) / 12 V serial
	Battery voltage	384 VDC (480 VDC)
	Float voltage	405 VDC (540 VDC)
	Charging current	1 A – 40 A (installed according to battery capacity)
	Rated power	Standard capacity x 0.8
	Output phase	Three phase + N + G
	Output voltage	380 VAC ± 1% (steady-state load); 380 VAC ± 5% (influenced by load)
	Output frequency	50Hz ± 0.05%, 60Hz ± 0.05% (battery supply)
	Crest factor	3 : 1
	Output wave form	Pure sine wave
	Total Harmonic Distortion	Linear load < 2%, nonlinear load < 5%
	Dynamic voltage transient	< ± 5%
	Instant recovery time	< 10ms
	Balance load voltage	< ± 1%; < ± 5% (unbalance load voltage)
	Overload ability	125%: 1 minute, 150%: 1 second
	Inverter efficiency	> 91%
	Transfer time	0 ms
	Communication connector	RS 232, 485 communication management, stem node
	Temperature	0 – 40 °c
	Humidity	30% - 90%
	Service altitude	< 1000 meter (each additional 100 meters with 1% decline of power, the highest is 4000)
Noise (dB)	45 - 55	
Size (cm)	82.1 x 43.2 x 11.6	
Weight (KG)	320	

*Specifications are subject to change without prior notice due to constant improvement in design & technology.