

## MS Series

1~3KVA

1:1 Phase

### Features:

- True Online Double Conversion
- DSP based control Optimizes Reliability
- IGBT based Rectifier and Inverter
- Input Power Factor 0.99
- Wide Input Voltage Range (100V~300V)
- CVCF Mode facility
- ECO Mode for Energy Saving
- Generator Compatible
- Charger Capacity Expansion to 6A for Long Run Models
- Comprehensive Display allows easy Monitoring and Access of UPS Status
- Inbuilt Surge Suppressor
- USB Port for Monitoring



### Rear Panel

1. RS232
2. Intelligent Slot / SNMP(Optional)
3. External Battery (Optional)
4. USB
5. Output Sockets
6. Power Breaker
7. Input



Control Panel

## ▶ Technical Specifications of MS Series 1~3 KVA

MODEL	MS1101L3	MS1103L6	MS1103B6
Capacity (VA)	1000	3000	
<b>INPUT</b>			
Nominal Voltage / Phase	220V / 230V / 240V AC Single Phase		
Voltage Range	100V~300V AC Load Dependent		
Frequency Range	50 / 60 Hz $\pm$ 20% (Auto Sensing)		
Power Factor	$\geq$ 0.99		
<b>OUTPUT</b>			
Output Voltage / Power Factor	220V / 230V / 240V AC $\pm$ 1% / 0.9		
Frequency	50Hz / 60Hz Auto sensing, $\pm$ 3Hz Sync and $\pm$ 0.1% Hz in Battery Mode		
Current Crest Ratio / Efficiency	3:1 / 98% High Efficiency Mode		
Harmonic Distortion	$\leq$ 3% THD (Linear Load), $\leq$ 6% THD (Non-Linear Load)		
Waveform / Transfer Time	Pure Sine-wave / Zero		
<b>BATTERY</b>			
Battery Type / Charger	SMF / VRLA, (6 A Standard, 10 A Optional)		
Battery Voltage	36V DC	72V DC	
Battery Quantity	12Vx03 Nos. (External)	12Vx06 Nos. (External)	12V/7AHx06 Nos. (Inbuilt)
<b>INDICATORS / ALARM</b>			
LCD	Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode, Fault Indicators and Power Flow Diagram		
Alarm	Battery Mode: Sound Every 4 Seconds; Low Battery: Sounding Every Second Over Load: Sounding Twice Every Second; Fault: Continuously Sounding		
<b>PHYSICAL</b>			
Dimension WxDxH (mm)	145x282x220	145x397x220	190x421x318
Weight (Kg)	4.1	7.4	28
<b>STANDARDS</b>			
Quality	ISO 900, ISO 1400, OHSAS 18001, ISO 27001, BIS, RoHS		
Safety	IEC/EN62040-1		
EMC / Performance	IEC/EN62040-2, IEC/EN62040-3, Complying to CE		
<b>ENVIRONMENT</b>			
Temperature / Humidity / Noise	0~45°C / 0-95% (Non-Condensing / Low Audible Noise level)		
<b>COMMUNICATION INTERFACE</b>			
Standard	USB		
Optional	SNMP / ModBus / Dry Contact / RS232 / RS-485		
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000		

\*Specifications are subject to change without prior notice.

