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SUVIK

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MF-Series

Online UPS 1KVA ~ 20KVA



The MF-Series On-Line UPS, is the perfect solution for mission critical users who demand high reliability, availability and performance for critical electronic equipment and computer loads.

It features double conversion True Online Technology, field-proven full Digital Signal Processor (DSP) and incorporating IGBT in converter section, also utilizes our uniquely patented inverter control technology.



Large LCD Display

▶ Main Features

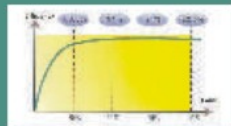
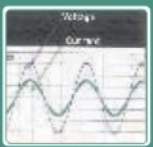
- 🔗 **Highly Efficient > 93%**
- 🔗 **High input power factor > 0.99**
- 🔗 **High reliability digital control**
- 🔗 **Wide input voltage range, 120V onwards**
- 🔗 **Full protection function**
- 🔗 **Intelligent RS 232 Communication Port**
- 🔗 **External battery for backup time (Option)**
- 🔗 **Hot Swappable Battery pack**

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specifications



Features	Type	MF 1101B MF 1101L	MF 1102B MF 1102L	MF 1103B MF 1103L	MF 1105B MF 1105L	MF 1106B MF 1106L	10K (1-1) MF 1110L	10K (3-1) MF 3110L	15K (3-1) MF 3115L	20K (3-1) MF 3120L
Input										
Power factor		>0.98 at full load								
THDi		< 5%								
Voltage range(V)		220/230/240 (120-276:50% output: 140-276:75% output:160-276:100% output)						3ph-1ph out (208-478 for Load 50% ~ 100%)		
Frequency range(Hz)		50/60 ± 6% (50/60 Hz settings)								
Battery voltage(Vdc)		36	48	96	120	120	240			
Output										
Power(VA)		1000	2000	3000	5000	6000	10000	10000	15000	20000
Power factor		0.7 (standard), 0.9 (option)								
Voltage(V)		220/230/240 ± 2%								
Frequency(Hz)		50/60 ± 0.5% (Battery mode)								
Waveform		Pure sine wave								
THD		THD < 3% (Linear load)								
Overload		105% ~ 130% for 60 seconds. 131% ~ 150% for 30 seconds. > 150% for 300 ms								
Battery										
Batt type		3 x 12V	4 x 12V	8 x 12V	10 x 12V	10 x 12V	20 x 12V			
Charger current(Max)		4 ~ 7 Amp Standard (Higher Rating optional)								
Recharge Time		< 10 hours to 90%								
Other Features										
Communication		RS232 port supports UPS power management software or UPSilon2000								
SNMP(option)		power management from SNMP manager and Web browser								
USB(option)		windows family								
Display		LCD Display the status for UPS								
Alarm		Battery low voltage, abnormal power supply, UPS failure								
Protection		Protection for battery low voltage, overload, short-circuit and over temperature								
Noise (dB)		< 45 dB (1 meter)								
Efficiency		> 93%								
Temperature & RH		0 ~ 40oC 0 ~ 95%, No condensation								
Dimension (WxDxH)mm										
UPS without Battery		144x419x215	190x369x318	191x479x339	253x637x500	253x637x500	253x637x700	253x637x700	253x637x700	253x637x700
Weight (kg.)		14 Kg./7.5 Kg.	20 Kg./11 Kg.	35 Kg./20 Kg.	52 Kg./30 Kg.	55 Kg./32 Kg.	34 Kg.	34 Kg.	52 Kg.	55 Kg.



Full Digital Signal Processor (DSP) Control

Provides both pure sine waves at the output and perfect sine waves to the input current to ensure compatibility with all kinds of loads. Full DSP technology also allow:

Intelligent Self-Diagnostics

Through the self-diagnostics inside the DSP, system faults can be pin-pointed rapidly which results in faster repair times easier servicing. Simply access the service mode and check each device step by step, through the results displayed on the LCD display.

High Input Power Factor and Low Current THD

Achieves up to 0.99 at Input Power Factor as well as <5% Current THD by adopting IGBT at Converter Section.

Advance Battery Monitoring

The Charging & discharging is controlled thru Digital Circuitry.

Energy-efficient UPS

The AC to AC efficiency of the UPS reaches up to 90% at 50% load and better at larger loadings.

Smart Fan Control

Speed of the fan are control according to load percentage.

LCD/LED Mimic Panel

SNMP Network Ready (Optional)

Cold Start Function

Communication Capability

The UPS is equip with monitoring/shutdown software as standard. The software not only allows the control of the UPS and its scheduled shutdown when the utility power fails, but also allows the user to Remotely test the major operating functions of the UPS Communicate via SNMP/WEB card.



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SUVIK ELECTRONICS PVT. LTD.

Plot No. 102/A, GIDC Engineering Estate, Sector-28, Gandhinagar-382 028, Gujarat. INDIA

Phone: +91-79-23212001/2/3, Fax: +91-79-23212006, Email: info@suvik.com, mktg@suvik.com