

MF-Series

Online UPS 1KVA~20KVA

TECHNOLOGY
IGBT²
SAVE ENERGY

The **SOROTEC** 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	3x12V	4x12V	8 x12V	10 x12V	10x12V		20x12V		
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.	20Kg./11Kg.	35Kg./20Kg.	52Kg./30Kg.	55Kg./32Kg.	34Kg.	35Kg.	52Kg.	55Kg.	

(Certification CE, UL, EN 50091-1, EN 50091-2)



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

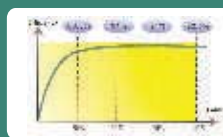
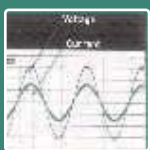
SNMP Network Ready (Optional)

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



Marketed by

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