

# PERPETUAL POWER

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MF-Series  
Online UPS 1KVA~20KVA



The PPSPL 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 utilises our uniquely patented inverter control technology.

## ▶ Main Features

- Highly Efficient
- 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

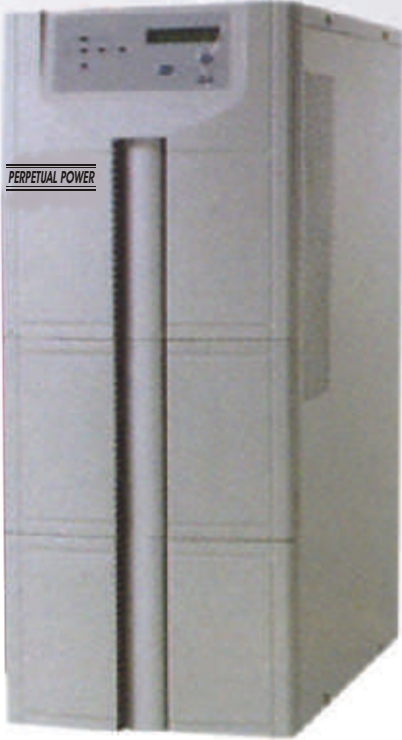


# MF-Series Online UPS 1KVA~20KVA



## specifications

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Features	Type	MF 1KVA	MF 2KVA	MF 3KVA	MF 5KVA	MF 6KVA	MF 10KVA	MF 10KVA	MF 15KVA	MF 20KVA
<b>Input</b>										
Power factor		>0.98 at full load								
THDi		< 5%								
Voltage range(V)		160 VAC to 280 VAC on full load								
Frequency range(Hz)		50/60 ± 8% (50/60 Hz settings)								
Battery voltage(Vdc)		36	96	96	120	120			240	
<b>Output</b>										
Power(VA)		1000	2000	3000	5000	6000	10000	10000	15000	20000
Power factor		0.7 (standard), 0.9 (option)								
Voltage(V)		220/230/ 250 ± 1%								
Frequency(Hz)		50/ 60 ± 0.5 (Free running)								
Waveform		Pure sine wave								
THD		THD < 3% (On Full Load)								
Overload		105%-130% for 10 minutes, 131%-150% for 1 minute, > 150% for 300ms								
<b>Battery</b>										
Batt type		3x12V	8 x12V	8x12V	10x12V	10x12V			20x12V	
Charger current(Max)		4 ~ 7 Amp Standard (Higher Rating optional)								
Recharge Time		<10 hours to 90%								
<b>Other Features</b>										
RS232		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		Low Battery, Mains Fail, Under Voltage, Over Voltage, Over Temperature, Over Load								
Protection		Protection for battery low voltage, overload, short-circuit and over temperature								
Noise (dB)		< 45								
Working Temperature		< 45 ° C								
Relative humidity		10.90% non condensing								
<b>Dimension</b> (WxDxH) mm										
UPS without Battery										
<b>Weight</b> (kg)										
UPS without Battery										

### 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.

#### Smart Fan Control

Speed of the fan are control according to load percentage.

#### High Input Power Factor and Low Current THD

Achieves up to 0.99 at Input Power Factor as well as <5% Current THD.

### Energy-efficient UPS

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

#### LCD/LED Mimic Panel

#### SNMP Network Ready (Optional)

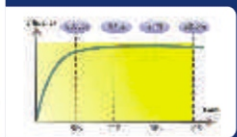
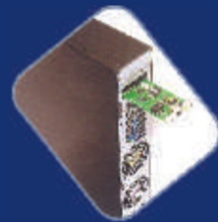
#### Cold Start Function

#### 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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