

MP Series

Rack Mount UPS

1 / 2 / 3KVA

1:1 Phase

TECHNOLOGY
IGBT²
SAVE ENERGY

Applications:

For all kind of ADP Machines



Features:

- High frequency and double conversion with PWM technology
- Fully digitized microprocessor control
- Wide input range
- LCD display
- Cold start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Fan speed adjusted by load automatically
- Network/fax/modem surge protection
- Optional extension battery pack
- EMI/RFI noise filter
- Smart Rs232 communication with monitoring software
- Optional SNMP card slot
- EPO function (optional)
- Input L and N reversed alarm function
- Size 2U & 3U
- IGBT based charger for smart battery management & improve input powerfactor

LCD Display



Rear Panel

1. RS232
2. USB
3. SNMP Slot
4. Fan
5. External Battery Socket
6. Output Socket
7. Input Socket
8. Circuit Breaker



▶ Technical Specifications of MP Series 1~3KVA

| MODEL | MP1101L3 | MP1101B3 | MP1102L6 | MP1102B6 | MP1103L6 | MP1103B6 |
|--------------------------------|---|----------------|----------|------------------|----------|----------|
| Capacity (VA) | 1000 | | 2000 | | 3000 | |
| INPUT | | | | | | |
| Nominal Voltage | 230V AC (1Ph+N+PE) | | | | | |
| Operating Voltage Range | 100~280V AC at 50% Load; 160~280V AC at 100% Load | | | | | |
| Operating Frequency Range | 40~70 Hz (Auto Sensing) | | | | | |
| Power Factor | 0.99 | | | | | |
| Phase | Single Phase In / Single Phase Out | | | | | |
| OUTPUT | | | | | | |
| Output Voltage | 200 / 208 / 230 / 240V AC \pm 1% | | | | | |
| Output Frequency | Mains Mode: 50/60 Hz \pm 3Hz (Sync to Mains); Battery mode: 50/60 Hz \pm 0.1Hz | | | | | |
| Crest Factor / Power Factor | 3:1 / 0.9 | | | | | |
| Harmonic Distortion (THDv) | \leq 1 % | | | | | |
| Efficiency | 92% | | | | | |
| Transfer Time | AC to DC | Zero | | | | |
| | Inverter to Bypass | 4 ms (Typical) | | | | |
| Waveform | Pure Sinewave | | | | | |
| BATTERY | | | | | | |
| DC Voltage | 36V | | | 72V | | |
| Charging Current | 1A | 6A | 1A | 6A | 1A | 6A |
| Battery Configure | | 03 x 7AH | | 06 x 7AH | | 06 x 9AH |
| Typical Recharge Time | 8 Hrs. (to 90% of full Capacity) | | | | | |
| SYSTEM FEATURES | | | | | | |
| LCD Indication | Input Voltage & Frequency, Output Voltage & Frequency, Battery Voltage & Percent, Load Watt, VA & Percent, Inverter Temperature, Operation Mode Such as "ONLINE", "BYPASS", "ONBATT", "ERROR CODE". | | | | | |
| LED Indication | Normal Operation, Bypass and Fault Indication | | | | | |
| Audible Alarm | Battery Mode, Low Battery, Over Load and Fault | | | | | |
| Overload Capacity | >130~150% for 30 Sec, >150% for 300 ms | | | | | |
| Communication Interface | RS-232, USB & SNMP (Optional) | | | | | |
| ENVIRONMENTAL | | | | | | |
| Operating Temperature | 0~50°C* | | | | | |
| Storage Temperature | -15~60°C | | | | | |
| Humidity Range | 0~95% (Non-Condensing) | | | | | |
| Altitude | 0-3000 m | | | | | |
| Noise Level | <50 dBA @ 1 mtr. | | | | | |
| PHYSICAL | | | | | | |
| Net/Shipping Weight (Kg) | 8/10 | 15.5/17.5 | 8.3/10.3 | 25/28 | 10/12 | 30/33 |
| Dimension WxDxH (mm) | 483x400x89 (2U) | | | 438x580x133 (3U) | | |
| STANDARDS | | | | | | |
| Quality | ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, BIS, RoHS | | | | | |
| Safety | IEC/EN62040-1 | | | | | |
| EMC / Performance | IEC/EN62040-2; IEC/EN62040-3, Complying to CE | | | | | |
| Communication Interface | | | | | | |
| Standard | RS-232 | | | | | |
| Optional | SNMP / ModBus / USB / RS-485 | | | | | |
| Monitoring Software | NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000 | | | | | |

* Conditions apply.
 Specifications are subject to change without prior notice.

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