The Memopower Plus Green Convertible double conversion true on-line series, featured with DSP-controlled technology, high input & output power factors, superior input voltage window for energy saving, estimated remaining time, ECO mode, is an ideal solution to your computer center, network center, communication system, automatic control system or other critical systems, which is demanding for a thorough protection.

Features

- Rack/Tower Convertible Design
- Patented Mimic LCD Display May be Rotated by Simply Pushing Front Button
- True Online Double Conversion with DSP Control
- High Output Power Factor at 0.9PF
- Low Input Current Distortion
- Green Concept Design with Superior Input Voltage Window for Energy Saving
- Support Generator Input
- Estimated Remaining Time displayed on the LCD.
- Support Economic (ECO) Operation Mode
- Matching Battery Pack
- Optional Powerful Charger
- Cold Start
- Power Shedding May Turn Off Uncritical Load in Battery Backup

Memopower Plus
Green Convertible UPS Series

MP9101-RT | MP9102-RT | MP9103-RT
# Memopower Plus Green Convertible UPS Series

<table>
<thead>
<tr>
<th>Model</th>
<th>MPP305-RT</th>
<th>MPP505-RT</th>
<th>MPP305-RT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (VA/W)</td>
<td>1000VA/450W</td>
<td>2000VA/900W</td>
<td>3000VA/1200W</td>
</tr>
</tbody>
</table>

## Input
- **Phase**: Single Phase & Ground
- **Rated Voltage**: 200V/230V/240V/250V/380VAC
- **Frequency**: 45-65Hz (auto-detect)
- **Power Factor**: >0.8
- **Current THD**: <7% at 100% non-linear load
- **Bypass Voltage Range**: Max. voltage: ±15% (optional ±5%, ±10%, ±25%) Min. voltage: ±4% (optional -20%, -30%)
- **Frequency Protection Range**: ±20%
- **ECO Range**: same as the bypass
- **Generator Input**: Support
- **Phase**: Single phase & Ground
- **Rated Voltage**: 200V/230V/250VAC
- **Power Factor**: 0.9
- **Voltage Regulation**: ±5%

## Output
- **Frequency**: Utility Mode (50Hz or 60Hz [synchronized to Main]) Battery Mode (50Hz or 60Hz [1-0.2Hz])
- **Crest Factor**: 3:1
- **THD**: <3% with linear load
- **Waveform**: Pure Sinewave
- **AC Mode (full load)**: up to 99% up to 99% up to 90%
- **ECO Mode (full load)**: 99% 72Vdc 72Vdc
- **Backup Time**: Full load: 15 minutes; Estimated remaining time displayed on the LCD
- **Cycle Life**: 500 cycles
- **Charging Current**: 1A

## Efficiency

## Battery
- **Capacity (standard unit)**: 12V/9AH
- **Backup Time**: Full load: 15 minutes; Estimated remaining time displayed on the LCD
- **Charge Time**: 5 hours
- **Charging Current**: 1A
- **Battery Socket**: Anderson size: Power Pole Modular Connectors
- **Transfer Time**: Utility to Battery: 4ms; Utility to bypass: 4ms

## Protection
- **Overload**
  - **AC Mode**: Load <300~150%. Load >150%: 300ms then shut down UPS completely
  - **Bypass Mode**: Load >300%: 300ms then shut down output
- **Short Circuit**
  - **Overload Mode**: Switch to Bypass; Battery Mode: shut down UPS immediately
  - **Battery Overload**: Alarm and Switch off
  - **Self-Diagnostics**: Upon Power Up and Software Control
  - **FDD (optional)**: Shut down UPS immediately

## Alarm
- **Audible & Visual**: Line Failure, Battery Low, Overload, System Fault

## Display
- **Status LED & LCD**: Line Mode, Backup Mode, ECO Mode, Battery Mode, Battery Low, Battery End, Overload and UPS Fault,
- **Reading On the LCD**: Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature, Remaining Battery Backup Time

## Physical
- **Dimensions (mm)**: 440x855x450 440x855x520 440x855x650
- **Weight (Kg)**: 22 22 26.6
- **Input Connection**: IEC320-C14 16A
- **Output Connection**: IEC320-C19 16A x 6 16A x 6 16A x 6
- **External Battery Connection**: Anderson size: Power Pole Modular Connectors

## Communication Interface
- **RS232/USB Port**: Supports Windows Family, Linux, FreeBSD, etc.
- **SNMP Card**: DHCP, Domain Control, etc.
- **RSH**: Built-in Power Surge, Lightning Protective Device

## Environment
- **Operating Temperature**: 0°C~40°C
- **Storage Temperature**: 25%~95%
- **Humidity**: 0~95% non-condensing
- **Altitude**: < 1500m (operating white) > 1500m (operating black)
- **Noise**: <50dB (1 meter)

## Safety Conformance
- CE, CB

## Battery Bank

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* 110-180V at < 30%, 160-200V at +80% load; 200-290V at 100% load.
* Specifications subject to change without prior notice.