The Memopower double conversion true on-line series, superior input voltage window for energy saving, ECO mode, super powerful charger, is an ideal solution to your computer center, network center, communication system, automatic control system or other critical systems.

**Features**
- True Online Double Conversion
- Mimic LCD Display with Multifunction Parameter Settings & operational status
- Wide input voltage range for the harshest environment
- Support Generator Input
- Super Powerful Charger for battery backup extension
- Support Economic Operation Mode

- Cold Start Function is built-in
- Bundled Communication Software supports Windows application, etc.
- Matching Battery Pack
- 3-level Intelligent Charging Modes
- Output Power Factor 0.9
- >90% High Efficiency Models Available

**Memopower Online Tower UPS Series**
UDC9101 | UDC9102 | UDC9103
# Mempower Online Tower UPS Series

<table>
<thead>
<tr>
<th>Model</th>
<th>UDC9101S</th>
<th>UDC9101H</th>
<th>UDC9102S</th>
<th>UDC9102H</th>
<th>UDC9103S</th>
<th>UDC9103H</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity (VA/W)</strong></td>
<td>1000VA/900W</td>
<td>2000VA/1800W</td>
<td>3000VA/2700W</td>
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</tbody>
</table>

## Input
- **Phase**: Single phase & Ground
- **Rated Voltage**: 100/110/120/127VAC or 200/208/220/230/240VAC
- **Voltage Range**: 55~145VAC or 110~380VAC
- **Frequency Range**: 40Hz-70Hz (auto detect)
- **Power Factor**: 0.9

**Bypass high voltage point**
- For 200/208/220/230/240 VAC models:
  - 230-264: setting the high voltage point in LCD from 230VAC to 264VAC. (Default: 264VAC)
  - 115-132: setting the high voltage point in parameter 3 from 115VAC to 132VAC. (Default: 132VAC)

**Bypass low voltage point**
- For 200/208/220/230/240 VAC models:
  - 170-220: setting the low voltage point in LCD from 170VAC to 220VAC. (Default: 170VAC)
  - 95-110: setting the low voltage point in parameter 3 from 95VAC to 110VAC. (Default: 95VAC)

## Output
- **Phase**: Single phase & Ground
- **Rated Voltage**: 100/110/120/127VAC or 200/208/220/230/240VAC
- **Power Factor**: 0.9
- **Voltage Regulation**: ≤±1%
- **Frequency**
  - **Utility Mode**: 47~53Hz (for 50Hz) or 57~63Hz (for 60Hz)
  - **Battery Mode**: 50/60Hz±0.01Hz
- **Crest Factor**: 3:1
- **THDv**: ≤3% with linear load
  - ≤6% with non linear load
- **Waveform**: Pure Sinewave

## Efficiency
- **AC Mode (full load)**: >98%
- **Utility to Battery**: >98%
- **Battery to Utility**: >90%

## Battery
- **Voltage**: 24Vdc, 36Vdc, 48Vdc, 72Vdc, 72Vdc, 90Vdc
- **Quantity**: 2pcs, 3pcs, 4pcs, 6pcs, 8pcs
- **Capacity (standard unit)**: 12V/9AH, N/A, 12V/12AH, N/A, 12V/16AH, N/A
- **Backup**: Long run unit depends on the capacity of external batteries
- **Recharge time to 90%**: 4 hours
- **Charging Current (Built-in Max)**: 1A, Max 13A, 1A, Max 12A, 1A, Max 12A

## Transfer Time
- **Utility to Battery**: 0ms
- **Utility to bypass**: <4ms

## Protection
- **Overload**
  - **AC Mode**: Ambient Temp.<-35°C
  - **Bat. Mode**: 105%~110%: UPS shuts down after 10 minutes at battery mode or transfer to bypass when the utility is normal
  - 110%~130%: UPS shuts down after 1 minute at battery mode or transfer to bypass when the utility is normal
  - >130%: UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal
- **Bypass Mode**: 10A (input breaker), 16A (input breaker), 20A (input breaker)
- **Short Circuit**: Hold Whole System
- **Overheat**: Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately
- **Battery Low**: Alarm and Switch off
- **EPO (optional)**: Shut down UPS immediately
- **Battery**: Advanced Battery Management
- **Audible & Visual Alarms**: Line Failure, Battery Low, Overload, System Fault

## Display
- **Status LED & LCD**: Line Mode, Backup Mode, Eco Mode, Battery Mode, Battery Low, Battery Full, Overload & UPS Fault
- **Reading On the LCD**: Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage

## Physical
- **Dimension (WxHxD)mm**: 144x209x293, 144x209x399, 191x337x600, 144x290x399
- **Weight (Kg)**: 9.8, 4.1, 17, 6.8, 27.6, 7.4

## Communication Interface
- **Communication Port**: RS232 or USB
- **Communication Slot**: SNMP Card, Relay card etc.

## Environment
- **Operating Temperature**: 0°C ~ 40°C
- **Storage Temperature**: -25°C ~ -15°C
- **Humidity**: 20~90% non condensing
- **Altitude**: < 1500m (derating while > 1500m)
- **Noise**: <51dB(A at 1 meter)

## Safety Conformance
- **IEC/EN62040-1-1, IEC/EN62040-2**

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