The Memopower Plus II Convertible Parallel Redundancy on-line UPS series, featured with up to 93.5% efficiency, rack/tower convertible, N+X Parallel Redundancy, DSP-controlled technology, high input & output power factors, superior input voltage window for energy saving, estimated remaining time, ECO mode, flexible system configuration, is an ideal solution to your server, bank, industrial equipment, IT equipment, communication system and other networking equipment, which is demanding for a thorough protection.

Features
- Rack/Tower Convertible
- Flexible System Configuration
- Graphic LCD Display with Multifunction Parameter Settings
- Hot Swappable Battery
- N+X Parallel Redundancy
- 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
- Efficiency up to 93.5%
- Estimated Remaining Time displayed on the LCD
- Support Economic(ECO) Operation Mode
- Settable Battery Voltage
- Temperature-controlled Fan
- Matching Battery Pack with Powerful Charger Built-in
- Common Battery When UPS in Parallel Mode
- Versatile Communication Interfaces Available
- Cold Start
- Communication Software
- Optional Centralized monitor function
- Settable Charge Current
- Optional Frequency Converter Mode Supported
## Mempower Plus II Convertible Parallel Redundancy on-line UPS series

<table>
<thead>
<tr>
<th>Model</th>
<th>RTHi 4K</th>
<th>RTHi 10K</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity (VA/W)</strong></td>
<td>6KVA/5.4K</td>
<td>10KVA/9K</td>
</tr>
</tbody>
</table>

### Input
- **Phase**: 1Phase 2 Wires + Ground or 3 Phase 4 Wires - Ground
- **Rated Voltage**: 380/415Vac or 220/230/240VAC
- **Voltage Range**: 208-478Vac or 120VAC-276VAC
- **Frequency Range**: 45Hz-55Hz / 55Hz-66Hz
- **Power Factor**: ≥0.99
- **Current THD**: ≤3% (100% linear load) ≤5% (100% non-linear load)
- **Bypass Voltage Range**: 220Vac Max.: 10% ; 15% ; 20% or 25% ; default: 25% 240Vac Max.: 10% ; 15% ; 20% or 25% ; default: 25% 230Vac Max.: 10% ; 15% ; 20% .
- **ECO Range**: same as the bypass
- **Generator Input Support**: phase
- **Rated Voltage**: 120/230/240VAC
- **Power Factor**: 0.9
- **Voltage Regulation**: ±1%
- **Frequency**: ±1%, ±2%, ±4%, ±5%, ±1% of the rated frequency (optional)
- **Battery Mode**: <50±1 Hz
- **Crest Factor**: ≤3% with linear load ≤5% with non linear load
- **Signal**: Pure Sine Wave
- **Battery Voltage**: Standard: 192Vdc; Optional: Voltage: 216/240Vdc
- **Backup Time**: Full load >2min (Standard); Long time unit depends on the capacity of external batteries
- **Recharge time to 90%**: 8-10 hours (Standard)
- **Charging Current**: Maximum Current 10A, charge current can be set according to battery capacity installed
- **Battery Socket**: Anderson like PowerPole Modular Connectors
- **Overload**: Utility to Battery: 0ms; Utility to by pass: 0ms

### Battery
- **Transfer Time**: AC Mode: Load 100%-110%: 1s; 110%-125%: 10 mins; 125%-150%: 1 min, >150%; 200 ms, then transfer to bypass
- **Bypass Mode**: 40A (Input breaker) 60A (Output breaker)
- **Protection**: 1Phase Special: Wire System
- **Self diagnostics**: Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately
- **EPO**: Line failure, Battery Low, Overload, System Fault
- **Battery**: Advanced Battery Management
- **None Suppression**: Complies with IEC 255-1

### Display
- **Status LED & LCD**: Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Fail, Overload & 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
- **Input Connection**: Modbus: 9 pin D connector
- **Input Connection**: Modbus: RJ-45 x 2
- **Output Connection**: PowerPole C3-15A x 2
- **External Battery Connection**: Anderson like PowerPole Modular Connectors
- **Communication Interface**: USB, Dry Contact, Parallel, Communication Soft

### Environment
- **Operating Temperature**: -10°C ~ +40°C
- **Storage Temperature**: -25°C ~ +55°C
- **Humidity**: 0 ~ 95% non-condensing
- **Altitude**: < 1500m
- **Noise**: <65dB (at 1 meter)

### Safety Conformance
- UL60950-1
- CE, EN62040-2, EN62040-1

### UPS Module

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Input/Output Phase</th>
<th>Efficiency</th>
<th>Dimension(WxHxD/mm)</th>
<th>Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTHi 4K/1P</td>
<td>1P/1P</td>
<td>92.0%</td>
<td>443 x 111 x 350</td>
<td>23</td>
</tr>
<tr>
<td>RTHi 10K/3P</td>
<td>3P/3P</td>
<td>93.5%</td>
<td>443 x 111 x 350</td>
<td>25</td>
</tr>
</tbody>
</table>

### BATTERY BANK

<table>
<thead>
<tr>
<th>Model</th>
<th>RTHi-BR2007</th>
<th>RTHi-BR2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bat Type</td>
<td>7Ah</td>
<td>9Ah</td>
</tr>
<tr>
<td>Max. Quantity</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit Dimensions WxHxD (mm)</td>
<td>443 x 111 x 350</td>
<td>443 x 111 x 350</td>
</tr>
<tr>
<td>Weight (Kg)</td>
<td>58</td>
<td>67</td>
</tr>
</tbody>
</table>

Specifications subject to change without prior notice.

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