The Memopower UDC One 1.0 PF Parallel Redundancy on-line series, featured with N+X Parallel Redundancy, DSP-controlled technology, high input & output power factors, superior input voltage window for energy saving, ECO mode, 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**
- N-X Parallel Redundancy
- Online Double Conversion with DSP Control
- Built-in Power Charger Can be set from 1A to 10A
- Unity Input Power Factor with Low Input Current Distortion
- High Output Power Factor at 1.0PF
- Low Input Current Distortion <3%
- 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

- Settable Battery Voltage
- Automatic Battery Test Settable from LCD
- Load -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
- Frequency Converter Mode
- Settable Charge Current
- De-rating Operation Available
### Memopower UDC One Parallel Redundancy Online Tower UPS Series

<table>
<thead>
<tr>
<th>MODEL</th>
<th>UDC9106S One</th>
<th>UDC9106H One</th>
<th>UDC9110S One</th>
<th>UDC9110H One</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (VA/Watts)</td>
<td>6K/6K</td>
<td>10K/10K</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### INPUT
- **Nominal Voltage**: 220/230/240Vac
- **Operating Voltage Range**: 120 ~ 276Vac
- **Frequency Range**: 50Hz±4~55Hz/50Hz±54~66Hz (auto sensing)
- **Power Factor**: > 0.99
- **Bypass voltage range**: Max voltage: 220V ± 25% (optional +10% +15% +20%)
  - Bypass voltage range: 230V ± 20% (optional +10% +15%)
  - 240V ± 15% (optional +10%)
- **Bypass frequency range**: Frequency protection range ± 10Hz
- **ECO range**: Same as the bypass
- **Harmonic distortion (THDv)**: < 3% (100% linear load)
- **Generator input**: Support

#### OUTPUT
- **Output Voltage**: 220/230/240Vac
- **Power Factor**: 1
- **Voltage Regulation**: ± 1%
- **Frequency**: Line Mode ± 1%/±2%/±4%/±5%/±10% of the rated frequency (optional)
  - Bat. Mode: 50/60 ± 0.13Hz
- **Crest Factor**: 3:1
- **Harmonic Distortion (THDv)**: < 2% with linear load
- **Efficiency**: > 93%

#### BATTERY
- **Battery voltage**: ±96~108/120Vdc (Settable)
- **Capacity (standard unit)**: 125/77Ah (or 120/84Ah)
- **Typical recharging time**: 6~8 hours (to 90% of full capacity)
- **Charging current**: 1A 10A 1A 10A

### SYSTEM FEATURES
- **Transfer time**: Mains to battery/0ms; Mains to bypass/0ms
- **Overload**
  - Line Mode: Load < 110% last 10min, < 130% last 1min, > 130% turn to bypass mode immediately
  - Bypass Mode: 63A (Breaker) 80A (Breaker)
- **Short circuit**: Hold whole system
- **Overheat**: Line Mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately
- **Battery low**: Alarm and switch off
- **Self-diagnostics**: Upon power-on and software control
- **Battery**: Advanced battery management
- **Audible & Visual alarms**: Line failure, Battery low, Overload, System fault
- **LED & LCD display**: Line mode, Bat. mode, Eco mode, Bypass mode, Battery under voltage, Overload & UPS fault
- **LCD display**: Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, inner temperature & Remaining battery backup time
- **Communication interface**: RS232/USB, SNMP card (optional), Parallel card (optional), Relay card (optional)

### ENVIRONMENT
- **Operating temperature**: 0°C ~ 40°C
- **Storage temperature**: -25°C ~ 55°C
- **Humidity range**: 0 ~ 95% (non-condensing)
- **Altitude**: < 1500m
- **Noise level**: < 55dB

### PHYSICAL
- **Dimension (WxHxD)(mm)**: 191*660*460 191*330*405 191*660*460 191*330*405
- **Net weight (kg)**: 65 18 69 20

### STANDARDS
- **Safety**: IEC/EN62040-1/JEC/EN60950-1
- **EMC**: IEC/EN62040-2/JEC61000-4-2/JEC61000-4-3/JEC61000-4-4,
  - IEC61000-4-5/JEC61000-4-6/JEC61000-4-8

Specifications subject to change without prior notice.

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