The Megapower smallest footprint transformer-less parallel redundancy online UPS series, featured with smallest footprint cabinet, built-in batteries, DSP Control, Common Battery, Programmable battery voltage, 3-level intelligent charge mode with powerful battery charger, is an ideal budget-concerned solution to your server, bank, industrial equipment, internet data center, telecom, IT equipment and other mission-critical application.

**Features**

- Smallest Footprint Design
- DSP-controlled Technology
- Parallel Redundancy up to 4 units
- Wide Input Voltage and Frequency Windows
- Unity Power Factor and Low Input Distortion
- Output Power Factor at 0.9
- ECO Mode for Energy Saving
- Common Battery
- Programmable Battery Voltage from +/-96Vdc to +/-240Vdc
- Built-in Batteries makes UPS ready to Use
- Matching Battery Packs
- 3-level Intelligent Charge Modes with Smart Charge Current Adjustment
- Powerful Charger up to 20A
- Versatile Communication Interfaces Provided For different applications
- Superior Overload Capability
- Programmable Control and Monitoring Software via RS232 port
- Emergency Power Off
- DC Start

**Megapower Smallest Footprint**

**Parallel UPS YDC3300 Series**

YDC3310S | YDC3310H | YDC3315S | YDC3315H
YDC3320S | YDC3320H | YDC3330S | YDC3330H
YDC3340H
### YDC3300 series Technical Specifications:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>YDC33105/H</th>
<th>YDC33155/H</th>
<th>YDC33205/H</th>
<th>YDC33305/H</th>
<th>YDC33400/H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (VA/Watts)</td>
<td>10K / 9K</td>
<td>15K / 13.5K</td>
<td>20K / 18K</td>
<td>30K / 27K</td>
<td>40K / 36K</td>
</tr>
</tbody>
</table>

#### INPUT
- **Nominal voltage**: 380/400/415Vac (3Ph+N+PE)
- **Operating voltage range**: 208–418Vac
- **Operating frequency range**: 45–55Hz at 50/60Hz ±6Hz at 60Hz (auto sensing)
- **Power factor**: 0.99
- **Harmonic distortion (THD)**: <3% (100% load, linear load)
- **Bypass voltage range**: 220Vac Max: voltage +25% (optional +10% +15% +20%);
  230Vac Max: voltage: +20% (optional +10% +15% +20%);
  240Vac Max: voltage: +15% (optional +10%);
  Min. voltage: -45% (optional -20% -30%);
  Frequency synchronize tracking range: ±10%
- **Generator input**: Support

#### OUTPUT
- **Output voltage**: 380/400/415Vac (3Ph+N+PE)
- **Voltage regulation**: ±1%
- **Power factor**: 0.9
- **Output frequency**: Line Mode: synchronize with input; when input frequency > ±10% (±1%/±2%/±4%/±5% optional), output (50/60±6.1Hz);
  Battery Mode: (50/60±0.1Hz)
- **Crest factor**: 3:1
- **Harmonic distortion (THD)**: <2% with linear load
  <5% with non-linear load
- **Efficiency**: >99.5%

#### SYSTEM FEATURES
**Transfer time**: 
- **Line Mode**: Load ≤ 110% last load 60min, ≤ 125% last 10min, ≤ 150% last 1min, > 150% to bypass.
- **Overload**: Load ≤ 110% last load 60min, ≤ 125% last 10min, ≤ 150% last 1min, > 125% to bypass.
- **Bypass Mode**: Breaker 20A
- **Batter Mode**: Breaker 32A
  Breaker 40A
  Breaker 63A
  Breaker 80A
- **Alarm**: Overload, utility abnormal, UPS fault, battery low, etc.
- **Protection**: Short circuit, overload, over temperature, battery low, fan fault alarm
- **Communication**: USB, RS485, Parallel port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)

#### ENVIRONMENTAL
- **Operating temperature**: 0°C ~ 40°C
- **Storage temperature**: -25°C ~ 55°C (no battery)
- **Humidity range**: 0 ~ 95% (non-condensing)
- **Altitude**: < 1500m, Derating when >1500m
- **Noise level**: <56dB

#### STANDARDS
- **Safety**: IEC/EN62040-1, IEC62040-2, IEC60950-1
- **EMC**: IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-8

#### Standard Unit
<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
<th>Dimension(WxHxD:mm)</th>
<th>Battery DC Voltage</th>
<th>Built-in Charger</th>
<th>Built-in Battery Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>YDC3310S</td>
<td>950gs</td>
<td>250<em>88</em>828</td>
<td>±120VDC **</td>
<td>1.35A</td>
<td>20pcs 12V/9AH Max. 40pcs</td>
</tr>
<tr>
<td>YDC3315S</td>
<td>1470gs</td>
<td>250<em>88</em>828</td>
<td>±120VDC **</td>
<td>2.70A</td>
<td>40pcs 12V/9AH</td>
</tr>
<tr>
<td>YDC3320S</td>
<td>2210gs</td>
<td>250<em>88</em>828</td>
<td>±120VDC **</td>
<td>4A</td>
<td>60pcs 12V/9AH</td>
</tr>
</tbody>
</table>

#### Long Backup Unit
<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
<th>Dimension(mm)</th>
<th>Battery DC Voltage</th>
<th>Built-in Charger</th>
<th>Built-in Battery Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>YDC3310H</td>
<td>42kg</td>
<td>250<em>88</em>828</td>
<td>±90V / ±100V / ±120V **</td>
<td>10A</td>
<td>N/A</td>
</tr>
<tr>
<td>YDC3315H</td>
<td>45kg</td>
<td>250<em>88</em>828</td>
<td>±90V / ±100V / ±120V **</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>YDC3320H</td>
<td>49kg</td>
<td>250<em>88</em>828</td>
<td>±100V / ±120V / ±140V **</td>
<td>20A</td>
<td>N/A</td>
</tr>
<tr>
<td>YDC3330H</td>
<td>66kg</td>
<td>250<em>88</em>828</td>
<td>±90V / ±100V / ±120V **</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>YDC3340H</td>
<td>73kg</td>
<td>250<em>88</em>828</td>
<td>±90V / ±100V / ±120V **</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### Matching Battery Pack
<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
<th>Dimension(mm)</th>
<th>Built-in Battery Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>YDC-8T10000A</td>
<td>243Kgs</td>
<td>250<em>88</em>828</td>
<td>80pcs 12V/9AH</td>
</tr>
</tbody>
</table>

Specifications subject to change without prior notice.

**For YDC3310(S)~YDC3315(S)H with 10/16/20pcs batteries installed, the power factor will be 0.708/0.9/0.9 respectively.
For YDC3340H with 32/34/36/40pcs batteries installed, the power factor remains 0.9.
The Megapower smallest footprint transformer-less parallel redundancy online UPS series, featured with smallest footprint cabinet, built-in batteries, DSP Control, Common Battery, Programmable battery voltage, 3-level intelligent charge mode with powerful battery charger, is an ideal budget-concerned solution to your server, bank, industrial equipment, internet data center, telecom, IT equipment and other mission-critical application.

**Features**

- Smallest Footprint Design
- DSP-controlled Technology
- Parallel Redundancy up to 4 units
- Wide Input Voltage and Frequency Windows
- Unity Power Factor and Low Input Distortion
- Output Power Factor at 0.9
- ECO Mode for Energy Saving
- Common Battery
- Programmable Battery Voltage from +/-192Vdc to +/-240Vdc
- Matching Battery Packs
- 3-level Intelligent Charge Modes with Smart Charge Current Adjustment
- Powerful Charger up to 40A
- Versatile Communication Interfaces Provided For different applications
- Superior Overload Capability
- Programmable Control and Monitoring Software via RS232 port
- Emergency Power Off
- DC Start
# YDC3300 series Technical Specifications:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>YDC3360H</th>
<th>YDC3380H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (VA/Watts)</td>
<td>80K/74K</td>
<td>80K/72K</td>
</tr>
</tbody>
</table>

## INPUT
- **Nominal voltage**: 380/400/415Vac, (3Ph+N+PE)
- **Operating voltage range**: 208~476Vac
- **Operating frequency range**: 45-55Hz at 50Hz/54-66Hz at 60Hz (auto sensing)
- **Power factor**: ±0.99
- **Harmonic distortion (THDi)**: ±3% (100% non-linear load)

## OUTPUT
- **Output voltage**: 380/400/415Vac, (3Ph+N+PE)
- **Voltage regulation**: ±1%
- **Power factor**: 0.9
- **Output frequency**: Line Mode: synchronize with input, when input frequency > ±10% (±1%/±12%/±4%/±5% optional), output (50/60±1)Hz
  - Battery Mode: (50/60±1)Hz
- **Crest factor**: 3:1
- **Harmonic distortion (THDI)**: ≤2% with linear load
  - ≤5% with non linear load
- **Efficiency**: 94.50%

### BATTERY
- **Battery voltage**: ±192V/±204V/±216V/±228V/±240Vdc (32/34/36/38/40pcs optional)
- **Charge Current(A)**: Max. 40A

## SYSTEM FEATURES
- **Transfer time**: Utility to Battery: 0ms; Utility to bypass: 0ms
- **Overload**
  - Line Mode: Load≤110% last 60min, ≤125% last 1min, >125% transfer to bypass.
  - Bat. Mode: Load≤110% last 10min, ≤125% last 1min, >125% shut down UPS immediately
- **Alarm**: overload, utility abnormal, UPS fault, battery low, etc.
- **Protection**
  - short circuit, overload, over temperature, battery low, fan fault alarm.
- **Communication**: USB, RS232, RS485, Parallel port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)

## ENVIRONMENTAL
- **Operating temperature**: 0℃~40℃
- **Storage temperature**: -25℃~55℃ (no battery)
- **Humidity range**: 0~95% (non condensing)
- **Altitude**: < 1500m, De-rating when >1500m
- **Noise level**: <63dB

## PHYSICAL
- **Dimension DxWxH (mm)**: 118
- **Net weight (kg)**: 828x360x868
- **STANDARDS**
  - Safety: IEC/EN62040-1, IEC/EN60950-1
  - EMC: IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8

Specifications subject to change without prior notice.

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