The UPDS300 series is an advanced three phase, true online, dual conversion, digitally controlled UPS. It is designed to meet the high availability and high power quality needs for a wide variety of critical applications, such as in the data centre, industrial, medical, military, banking, security and laboratory. The series utilises very fast digital signal processors to generate an accurately controlled output for the most demanding types of loads.

- Transformerless UPS topology.
- High Input Power Factor.
- High efficiency up to 94%.
- Total harmonic distortion < 5%
- 10 years spare parts support.
- Separate DSP for inverter.
- Separate DSP for rectifier.
- IGBT rectifier and inverter.
- Regenerative back-feed function.
- Cold Start.
- Temperature compensated charger.
- Split bypass input.
- Econo-mode operation.
- TUV, CE, ISO9001, ISO14001 certified.
- 2 year on-site warranty.
- 10 years spare parts support.
- Manufactured according to EC Directive; EN62040.
### Technical Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>UPDS3200</th>
<th>UPDS3250</th>
<th>UPDS3300</th>
<th>UPDS3400</th>
<th>UPDS3500</th>
<th>UPDS3550</th>
<th>UPDS3650</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (kVA)</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>400</td>
<td>500</td>
<td>550</td>
<td>650</td>
</tr>
</tbody>
</table>

#### INPUT
- **Voltage**: 380/400 VAC 3P + N + G ± 20% (415 VAC +15%, - 25% optional)
- **Frequency**: 50Hz / 60Hz, ± 5%
- **Power factor**: ≥ 0.99
- **(THDI)** (*) ≤ 3%
- **By-pass voltage**: 380/400 VAC 3P + N, 4 Wires, ± 10%
- **Voltage distortion**: ≤ 10%
- **Protection**: Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequency indicator

#### OUTPUT
- **Power (kW)**: 180, 225, 270, 360, 400, 495, 585
- **Power factor**: 0.9, 0.8, 0.9
- **Voltage**: 380/400 VAC 3 Phase + N, ± 1% (415 optional)
- **Frequency**: 50Hz / 60Hz
- **Frequency tolerance**: Line synchronized: ± 2%, Free running: ± 0.1%
- **Efficiency**: up to 95%
- **Crest factor**: 3:1
- **Overload protection**: 100% - 125% load: 10 min, 125% - 150% load: 1 min, > 150% load: by pass
- **Other protections**: Advanced short circuit, Voltage tolerance, DC balance, Regenerative load, Current limiting
- **Voltage THD**: < 3% (at 100% linear load)

#### BATTERIES
- **Type**: VRLA AGM / GEL / NiCd
- **Nominal voltage**: ± 360 VDC
- **Float / End of discharge voltage**: ± 405 VDC / ± 300 VDC
- **Battery cabinet**: External
- **Battery ambient temperature**: 25°C
- **Protection**: 3 level alarms, Battery fuses, Charging current limit, Temperature compensation (optional)
- **Automatic testing**: Standard every 72 hours (adjustable)

#### GENERAL
- **Standards**: EN62040-1, EN62040-2, EN62040-3
- **User interface**: TFT panel, 5 vector buttons, Buzzer, Indicators: P-N voltage, P-P voltage, Current, Power, Crest Factor, Frequency, PF, Service Time
- **Advanced**: Self diagnostics, 3 maintenance time indicators, Calibration over RS232, operating hour meter
- **Communication**: 2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays
- **Inputs**: EPO input, Interactive battery panel input, Genset input
- **Genset kit**: Standard (programmable)
- **Software**: Standard T-Mon UPS Management Software (3 clients + 1 server management)
- **Alarm logging**: Standard: with time & date 512 events
- **Protections**: Power module over-temperature, Over current, Temperature high alarm
- **Temperature range**: 0°C - 40°C
- **Protection degree**: IP20
- **Relative humidity**: 90% max. (non-condensing)
- **Altitude**: < 1000m. above sea level
- **Acoustic noise**: < 68 dBA
- **Weight without batteries (kg)**: 482, 550, 638, 737, 780, 1452
- **Dimensions (mm) HxWxD**: 1900x680x775, 1900x1250x775, 2040x1250x840, 1940x1610x1050

#### OPTIONS
- **Different input / output voltage**: Please ask
- **Transformer**: Galvanic isolation transformer at the input & output
- **Software**: T-Mon Admin Multi UPS monitoring 10-50-100-200 clients, T-Mon Server 50-100-200 clients
- **Adaptors**: SNMP, RS485, Remote monitoring panel, MODBUS (RS485 or TCP/IP)
- **Parallel operation**: up to 8

(*) Depending on power and input/output conditions