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.
Technical Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>UPDS310</th>
<th>UPDS315</th>
<th>UPDS320</th>
<th>UPDS330</th>
<th>UPDS340</th>
<th>UPDS360</th>
<th>UPDS380</th>
<th>UPDS3100</th>
<th>UPDS3120</th>
<th>UPDS3160</th>
<th>UPDS3100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power (kVA)</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>60</td>
<td>80</td>
<td>100</td>
<td>120</td>
<td>160</td>
<td></td>
</tr>
</tbody>
</table>

**INPUT**

- **Voltage**: 380/400 VAC 3P + N + G ± 20% (at 100% load) / - 40% (at 70% load)
- **Frequency**: 50Hz / 60Hz, ± 5%
- **Power factor (at 100% load)**: ≥ 0.99
- **THDI (*)**: ≤ 3%
- **By-pass voltage**: 380/400 VAC 3 Phase + N, ± 10%
- **Voltage distortion**: ≤ 10%
- **Protections**: Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequence indicator

**OUTPUT**

- **Power (kW)**: 9, 13.5, 18, 27, 36, 54, 72, 90, 108, 144
- **Power factor**: 0.9 (0.8 and 1 optional)
- **Voltage**: 380/400 VAC 3P + N, ± 1% (415 VAC optional)
- **Frequency**: 50Hz / 60Hz
- **Frequency tolerance**: Line synchronized: ± 2% (adjustable) / Free running: ± 0.1%
- **Efficiency**: up to 95%
- **Crest factor**: 3:1
- **Overload capacity**: 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
- **VoltageTHD**: ≤ 3% (at 100% linear load)

**BATTERY**

- **Type**: VRLA AGM / GEL / NiCd
- **Number of batteries**: 2x30 (±30) : 60 pieces
- **Charge voltage**: 2x405 VDC
- **End of discharge voltage**: 2x300 VDC
- **Battery cabinet**: Internal
- **Battery ambient temperature**: 25ºC
- **Protections**: 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**: 4 lines LCD panel, Mimic leds, 5 vector buttons, Buzzer, Optional TFT panel
- **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, Overcurrent, Temperature high alarm
- **Temperature ranges**: 0ºC - 40ºC
- **Protection degree**: IP20
- **Relative humidity**: 95% max. (non-condensing)
- **Altitude**: < 1000m above sea level
- **Acoustic noise**: < 57 dBA, < 62 dBA, < 65 dBA
- **Net weight (kg)**: 87, 87, 91, 100, 173, 197, 209, 220, 232, 265
- **Dimensions (mm) HxWxD**: 1040x400x815, 1440x515x855

**OPTIONS**

- **Different input / output voltage**: Please ask
- **Transformer**: Galvanic isolation transformer at the input & output (internal)
- **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), USB Alarm Logger, TCP/IP, GSM/GPRS Modem, Comport multiplexer
- **Parallel operation**: up to 8 units