

## 25 - 45 kVA Specifications

| Input                 |   |
|-----------------------|---|
| Input for rectifier   | 380/220V: 400/230V or 415/240V  |
| Input for bypass      | 380/220V: 400/230V or 415/240V  |
| Voltage range         | 294/170V - 478/276V   |
| Frequency             | 50/60 Hz  |
| Power Factor          | 0.96  |
| Efficiency            | 94% (online)<br>99% (Efficiency Optimiser™)   |
| Output                |   |
| Voltage               | 380/220V: 400/230V or 415/240V ±1% field selectable   |
| Frequency             | 50/60 Hz ±0.5 ±1.0 or ±2.0 Hz selectable synchronized to mains<br>±0.005 Hz free running, slew rate 1Hz/sec.  |
| Dynamic response      | ±5% at 100% load change response time 1ms to steady state   |
| Voltage distortion    | <2% THD on linear load<br><5% THD on nonlinear load   |
| Overload capacity     | 150% 30 sec. on inverter  |
| Battery               |   |
| Type                  | Sealed lead-acid batteries  |
| Back-up time          | typical 10-20 min at full load  |
| Recharge time         | <5 hr up to 90% capacity  |
| Battery management    | ABM™<br>Technology (Advanced Battery Management™)   |
| Battery Test          | DC Expert™  |
| Control Features      |   |
| User interface        | Monitoring panel with LCD display: LED's: UPS on, Line on, Battery operation Bypassed, and Audible alarm  |
| Remote interface      | 2 pcs RS232 ports - one with modem interface<br>Voltage free relays: Line failure, Low battery, Bypass and Alarm<br>Emergency power off - input, Building alarm signal - inputs   |
| Environmental         |   |
| Temperature           | 0-40°C, recommended 15-25°C   |
| Humidity              | 5-90% RH non-condensing   |
| Ventilation           | Fan cooling, temperature µP monitored   |
| Audible noise         | <50dB(A) at 1 metre   |
| Safety                | EN50091-1   |
| EMC                   | EN50091-2 (IEC801)  |
| Protection class      | IP21  |
| Weight (kg)           | 215   |
| Dimensions WxDxH (mm) | 382x775x1530  |
| Software              |   |
|                       | -LanSafe III with Cross Platform shutdown<br>-PowerVision monitoring compatible<br>-PowerCare&REG<br>-Sentinel - FORS<br>(Full Online Remote Service) compatible  |
| Options               |   |
|                       | -External Battery Cabinets<br>-10 year batteries<br>-Remote Status Panel<br>-Isolation transformer<br>-input filter for <10% THD<br>-LanQuattro<br>-Alarm Extension Unit<br>-ConnectUPS SNMP adapter<br>-External LCD Panel |

**Battery Run Times**  
**Standard batteries 48 pcs in series**

| LOAD            |         |         |         |         |         |         |         |        |        |
|-----------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| config          | 5 kVA   | 10 kVA  | 15 kVA  | 20 kVA  | 25 kVA  | 30 kVA  | 35 kVA  | 40 kVA | 45 kVA |
| UPS + BAT-D     | 120 min | 58 min  | 36 min  | 25 min  | 20 min  | 15 min  | 12 min  | 10 min | 9 min  |
| UPS + BAT-E     | 220 min | 105 min | 65 min  | 45 min  | 35 min  | 28 min  | 22 min  | 19 min | 16 min |
| UPS + BAT F     | 7h      | 3.5h    | 130 min | 90 min  | 70 min  | 55 min  | 45 min  | 40 min | 35 min |
| UPS + 2 * BAT-E | 9h      | 4h      | 155 min | 110 min | 85 min  | 65 min  | 55 min  | 45 min | 40 min |
| UPS + 3 * BAT-E | 15h     | 7h      | 4.5h    | 185 min | 140 min | 110 min | 95 min  | 80 min | 65 min |
| UPS + 2 * BAT-F | 18h     | 8h      | 5.5h    | 220 min | 165 min | 135 min | 110 min | 90 min | 80 min |