



DIALOG DUAL

3,3 - 10 kVA
single/single-phase and three/single-phase

DIALOG DUAL

NETWORK Range



DIALOG DUAL is the best solution for protecting medium sized networking applications which require the highest possible levels of reliability. The UPS is designed to support a range wide applications from IT to security. **DIALOG DUAL** is unique in that the UPS can be placed directly onto the floor or mounted in 19" rack mount cabinets. The range is available in 3300-4000-5000-6000-8000-10000VA models. The UPS is primarily an on-line double-conversion (VFI) technology system with further selectable operating modes that can configure the UPS to protect applications including emergency lighting, security and medical systems. Each UPS features advanced communications and diagnostics including a digital front panel display that can be turned to suit the installation format, RS232 and USB interfaces, and an internal adaptor slot for SNMP and other interface card options from RIELLO UPS. **PowerShield²** is supplied as standard.



1. Release the mimic panel by applying pressure to the catches
2. Rotate the mimic panel and fasten it back on again



3. Turn the UPS 90°
4. Slide the UPS into the rack cabinet

SIMPLIFIED INSTALLATION

- The UPS can be installed as a floor standing tower or 19" rack mount UPS. The front panel digital display can be pulled out (using the keys provided) and rotated to suit the installation format
- low noise level (<40dBA) thanks to the digitally PWM controlled ventilation system which is load and temperature dependent, and the use of an inverter with a high switching frequency (>20kHz, above the audible range)
- optional bolt-on maintenance bypass (DLD 5-6-8-10 kVA models) to allow service without disruption to the loads
- performance guaranteed in temperatures up to 40°C
- two IEC output plugs with thermal protection (DLD5-6-8-10 kVA).
- PowerShare output socket (2x10A IEC) functionality on DLD 5-6-8-10 kVA models

SELECTABLE OPERATING MODES

- On line
- Economy Mode: selects Line Interactive VI technology to power non-critical loads from mains and achieve up to 98% operating efficiency
- Smart Active Mode: the UPS selects automatically whether to operate in On-line VFI technology - full system protection or Line Interactive VI mode depending on the stability of the mains supply
- Emergency: the UPS can be programmed to work only when the mains fails - suitable for emergency lighting
- Frequency conversion 50 or 60Hz

GUARANTEED OUTPUT QUALITY

- Even with typical distorting IT loads with crest factors of 3:1
- increased short circuit current on the bypass
- increased overload capacity: 150% on inverter even when mains supply has failed
- reliable, filtered, stabilised and regulated sinewave output (double conversion technology VFI in conformity with IEC 62040-3 specifications) with filters for atmospheric disturbance suppression
- rephasing of load as the UPS has an input power factor close to 1, with a sinusoidal input current

HIGHLY RELIABLE BATTERY PERFORMANCE

- Automatic and manual battery tests
- Unique Low Ripple Current Discharge (LRCD) to help prolong

battery life

- hot-swap user replaceable batteries
- unlimited extendable back-up time using modular design Battery Extension Packs
- increased ride through (without batteries) on mains breaks up to 40ms and for fluctuations ranging from 84 to 276Vac

OTHER CHARACTERISTICS

- Output voltage selection: 220-230-240Vac
- auto restart when mains power returns - programmed using the UPS Tools software supplied
- bypass on: when the UPS is switched off, it automatically goes into bypass mode to charge the batteries
- automatic power down due to minimum load
- end of battery discharge pre-alarm
- delayed start up
- completely digitally controlled
- automatic bypass with no break in power supply
- use of IMS (Insulated Metallic Substrates) modules
- status, measurements, and alarms available on the standard backlit display
- UPS can be updated digitally (flash upgradeable)
- input protected by resettable thermally activated switch
- Back-feed protection: to avoid current being fed back into the mains should a fault occur
- manual switch over to bypass

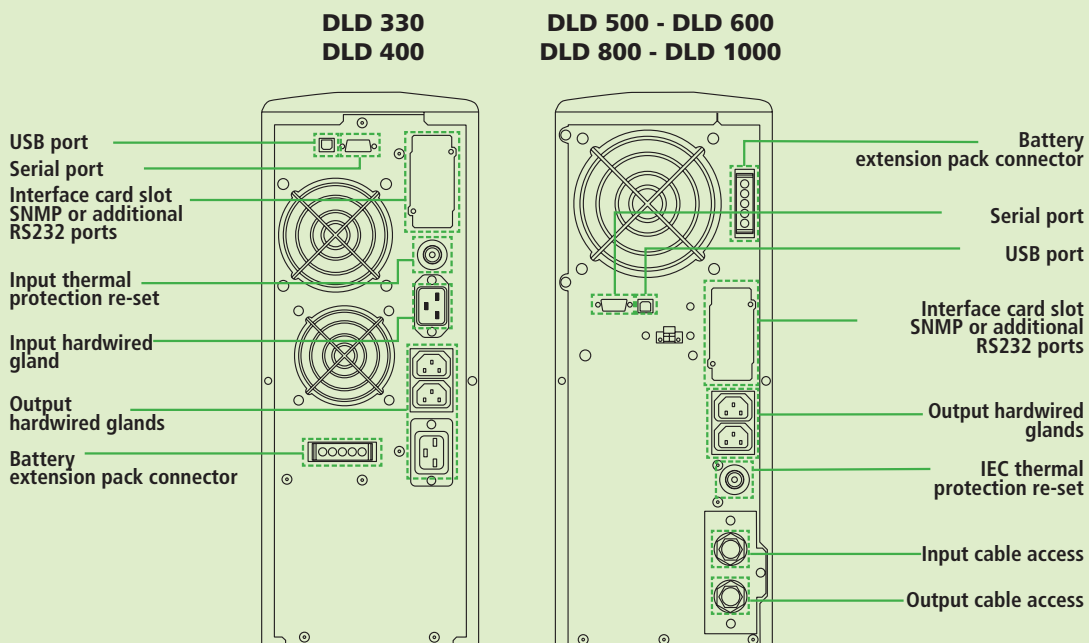
MICROSOFT CERTIFIED PRODUCT

ADVANCED COMMUNICATION

- Advanced, multi-platform communication for all operating systems and network environments: **PowerShield²** supervision and shut-down software included, with SNMP agent, for Windows 95, 98, NT4.0, Me, 2000, 2003, XP, Mac OS 9.x, X, Linux, Novell operating systems. The UPS is supplied with a communications cable for 'Plug and Play' PC connection
- plug & play feature
- USB port
- RS232 serial port
- interface card slot
- Microsoft certification.

2-YEAR WARRANTY

DETAILS



| MODELS | DLD 330 | DLD 400 | DLD 500 | DLD 600 | DLD 800 * | DLD 1000 * |
|--|--|-----------------|-----------------------------|---|--|------------------|
| POWER | 3300VA 2300W | 4000VA 2400W | 5000VA 3500W | 6000VA 4200W | 8000VA 5600W | 10000VA 7000W |
| INPUT | | | | | | |
| Rated voltage | 220 - 230 - 240 Vac | | | | 230 Vac single-phase or 400 Vac three-phase + N | |
| Minimum voltage | 164 Vac @ load 100% 84 Vac @ load 50% | | | | | |
| Rated frequency | 50/60 Hz ± 5 Hz | | | | | |
| Power factor | > 0.98 | | | | > 0.98 (in single/single-phase) | |
| Current distortion | ≤ 7% | | ≤ 5% | | ≤ 7% (in single/single-phase) | |
| BY PASS | | | | | | |
| Voltage range | 180 - 264 Vac (selectable in Economy Mode and SMART ACTIVE Mode) | | | | | |
| Frequency range | Selected frequency ±5 % (user configurable) | | | | | |
| BATTERIES | | | | | | |
| Recharge time | 2 - 4 h | | | | | |
| OUTPUT | | | | | | |
| Rated voltage | 220 - 230 - 240 Vac selectable | | | | | |
| Static variation | 1,5 % | | | | | |
| Dynamic variation | ≤ 5% in 20 ms | | | | | |
| Wave form | Sinewave | | | | | |
| Voltage distortion with linear load | < 3% | | | | | |
| Voltage distortion with non-linear load | < 6% | | | | | |
| Frequency | 50/60 Hz selectable | | | | | |
| Crest factor | 3 : 1 | | | | | |
| OVERLOAD CAPACITY | | | | | | |
| 100% < Load < 110% | 1' | | 1' | | 1' | |
| 110% < Load < 125% | 4" | | 4" | | 10" | |
| 125% ≤ Load < 150% | 4" | | 4" | | 10" | |
| Load > 150% | 0.5" | | 0.5" | | 0,5" | |
| ENVIRONMENTAL | | | | | | |
| Weight (kg) | 38 | 40 | 62 | 64 | 80 | 85 |
| Dimensions (hwd) (mm) tower/rack | 455x175x520/175(4U)x483x520 | | 455x175x660/175(4U)x483x660 | | 2x455x175x660/2x175(4U)x483x660 | |
| On Line Efficiency | 92% | | | | | |
| Line-interactive/Smart Active Efficiency | 98% | | | | | |
| Operating temperature | 0 °C - 40 °C | | | | | |
| Relative humidity | < 95% non condensing | | | | | |
| Protection | Overload - short-circuit - overvoltage - undervoltage - temperature - low battery | | | | | |
| Compliance | EN 62040-1 EMC EN 62040-2 Directives 73/23-93/68-89/336 EEC EN 62040-3 | | | | | |
| Communication | USB / RS232 + communication interface slot | | | | | |
| Colour | metallic grey (silver) | | | | | |
| Noise | <40 dBA at 1 m | | | <45 dBA at 1 m | | |
| Accessories provided | 2x10A cables; 1xIEC-16A plug; software; serial cable; plastic keys to release display; handles kit | | | 2 cable guides; terminal board connection; software; serial cable; plastic keys to release display; handles kit | | |
| OPTIONS | | | | | | |
| Extended runtime solutions | yes (with and without battery charger) | | | | | |
| Internal Maintenance Bypass | no | | | yes | | |
| Interface cards | yes | | | | | |
| Telescopic rails for rack cabinet | yes | | | | | |

* Available from the second half of 2006