



Local Area Networks (LAN)

Servers

Data centers

Internet centers (ISP/ASP/POP)

Industrial PLCs

Cash registers

Emergency devices (lights/alarms)

Electro-medical devices

Telecommunication devices



## Multi DIALOG MDT and MDT-AF

MDT 40-80kVA three-phase/three-phase

NETWORK RANGE

The MULTI DIALOG and MULTI DIALOG AF 40-80kVA models have been developed using the same technology as the lower range, i.e. 10 to 30kVA. They include all the latest technological advantages and characteristics, with particular focus on: Simplified Maintenance: access for maintenance is entirely from the front of the unit. Open the door and remove the protective panel (standards requirement) and the power components - mounted on a sliding tray - can be pulled out to provide easy access to all the electrical and electronic components for maintenance and repair work. This particular feature means that the MTTR (Mean Time To Repair) is much lower than the market average, which has longer times due to the compact size of the products and difficult access to the parts.

A large amount of maintenance information is available from the front mimic panel and LCD. In addition system operating parameters are software configurable via a local PC to allow new functions to be added or adjustments made to operating specifications.

### CHARACTERISTICS

- Low noise level, use of a high frequency inverter bridge means that the UPS produces very low noise levels and can be installed in open access environments such as an office
- Castors for easy installation and access, on request these can be fitted to the UPS (factory option) to make it easier to move the UPS into and from its operational area
- Frequency operation, the bypass can be de-activated to allow the UPS to work as a 50 or 60Hz frequency converter.



LED remote panel



Slide out power module



1. Help/Language selection
2. Input/output measurements
3. Controls/settings/customisations
4. Event log
5. Buzzer reset
6. Time/date
7. Scroll back
8. Scroll forward

Buttons 7 and 8 are used to display detailed system control information.

#### ADVANCED COMMUNICATION

- compatible with TeleGuard for remote maintenance (see p.11)
- advanced, multi-platform communication, for all operating systems and network environments: PowerShield<sup>2</sup> supervision and shut-down software included, with SNMP agent, for Windows 95, 98, NT 4.0, 2000, 2003, Me, XP, Mac OSx, 9.x, Linux, Novell operating systems. The UPS is supplied with a cable for direct connection to the PC (Plug and Play)
- double RS232 serial port
- network adapter slot for SNMP agent
- EPO (Emergency Power Off) shutdown input contact
- remote control panel.



Inside view





Interface panel



MODELS	MDT 4000 MDT 4000-AF	MDT 6000 MDT 6000-AF	MDT 8000 MDT 8000-AF
INPUT			
Rated voltage	400 Vac three-phase + N		
Voltage range	-40% with 40% load, -30% with 60% load		
Frequency range	45 ÷ 65 Hz		
Power factor	0.95		
Current distortion	sinewave absorbtion (for three phase input Multi DIALOG AF version with THDi<4%)		
BYPASS			
Rated voltage	400 Vac		
Number of phases	3 + N		
Permitted voltage range	± 15% (selectable from ± 5% to ± 25%)		
Rated frequency	50/60 Hz		
Permitted frequency range	± 2% (selectable from ± 1% to ± 5%)		
BATTERIES			
Type	Maintenance-free sealed lead-acid		
Recharge time	4-8 h		
OUTPUT			
Rated power (kVA)	40	60	80
Active power (kW)	32	48	64
Number of phases	3 + N		
Rated voltage (V)	380 - 400 - 415 selectable		
Voltage regulation range	346 ÷ 422 V		
Crest factor (I <sub>peak</sub> /I <sub>rms</sub> )	3 : 1		
Output current	58A	87A	116A
Waveform	Sinewave		
Distortion with linear load	2%		
Static stability	± 1%		
Dynamic stability	± 5% in 10ms		
Frequency	50 / 60 Hz selectable		
Overload	125% 150% 200% of the rated current for 10'/1'/7"		

Product characteristics can be customised to meet client specifications.

LCD remote panel



MODELS	MDT 4000 MDT 4000-AF	MDT 6000 MDT 6000-AF	MDT 8000 MDT 8000-AF
ENVIRONMENTAL			
Input	Three-phase + N		
Remote signaling	volt free contacts		
Remote controls	EPO and bypass		
Communication	Double RS232/C + network adapter slot for SNMP agent		
Operating temperature	0 ÷ 40 °C		
Relative humidity	95% (non condensing)		
Colour	Light grey RAL 7035		
Noise	<56 dBA at 1m		<60 dBA at 1m
Protection rating	IP20		
Efficiency	> 92% in On-Line Mode, > 98% in Economy Mode/Smart Active Mode/Standby-Off Mode/AVR Mode		
Compliance	EN 62040-1 EMC EN 62040-2 Directives 73/23-93/68-89/336 EEC EN 62040-3		
Weight (kg)	180	200	215
Dimensions (hwd) (mm)	1400x500x740		
Back-up (min)	0		

Product characteristics can be customised to meet client specifications.

## Multi DIALOG MDM 10kVA-MDT 80kVA OPTIONS

DESCRIPTION
Isolation transformer module
Separate mains input (models from 10 to 60kVA)
Additional battery charger option (built-in)
Communication software "full" version (see software section page 42)
Mains adapter module on slot (see Netman102 page 45)
JBUS/MODBUS converter module (see Multicom 302 page 46)
Multiplexer Module (see Multicom 352 page 46)
LED-based remote control panel
LCD-based remote control panel
Closed Loop Parallel Kit option (to be ordered with the unit)
Battery cabinets for extended runtime.

### For more information contact:

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