

DIALOG PLUS-R

700-3000VA



The Dialog Plus-R range uses advanced digital on-line (VFI) technology to protect loads up to 3kVA.

The load is powered continuously by the inverter with an EMI filtered, stabilised and regulated sinewave supply. Dialog Plus-R is an outstanding long runtime solution for critical voice and data processing applications. Runtimes from several minutes to many hours can be achieved using matching battery extension trays (REPs) with built-in chargers to maintain reasonable recharge times. The PowerShield² software supplied with each UPS can provide an automatic orderly shutdown of connected loads before the battery is exhausted, and UPS management across a network.

APPLICATIONS

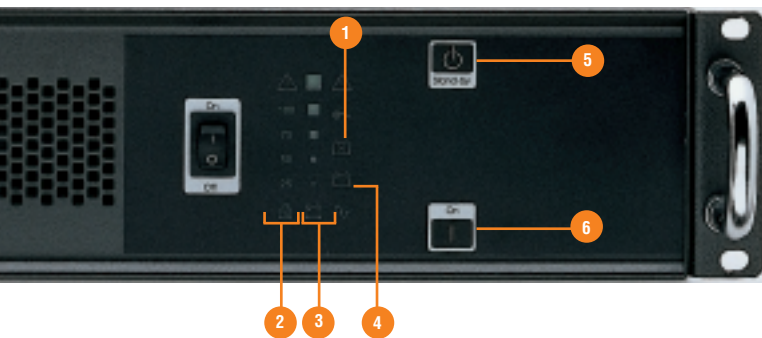
- Local Area Networks (LANs)
- Servers
- Data centres
- Industrial PLCs
- Cash registers
- Emergency applications (lights/alarms)
- Telecommunications devices

FEATURES

- Advanced digital on-line (VFI) technology (EN50091-3)
- Spike, noise, sag, surge and brownout protection
- High level surge immunity (6kV to IEC801-5)
- Auto restart on power up (programmable)
- Power factor correction with sinusoidal input
- Low power consumption
- Programmable Auto Power Off mode - to switch off under no load conditions
- Low maintenance (optional maintenance bypass)
- High reliability with safe failure to mains on system fault or overload
- Cold-start facility to allow the UPS to power up without a mains supply
- PowerShare output socket management on 700VA and 1kVA models
- Built-in battery test facility

ADVANCED COMMUNICATION

- Advanced, multi-platform communication for all operating systems and network environments: PowerShield² monitoring and control software included, with SNMP agent, for Windows 95, 98, 2000, Me, NT 4.0, Novell operating systems. The UPS is supplied with a cable for direct connection to a PC (Plug and Play)
- RS232 serial port



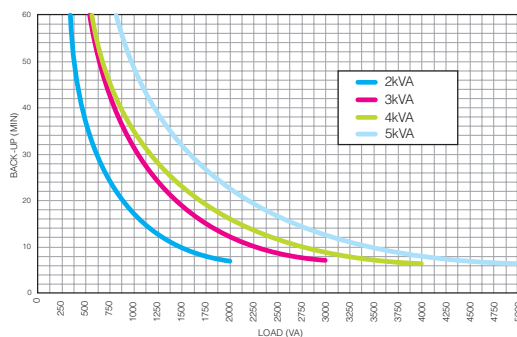
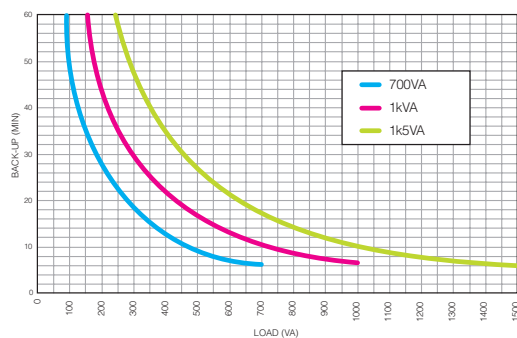
- 1 Check battery
- 2 Load %
- 3 Input voltage/Battery charge
- 4 On battery
- 5 Stand-by
- 6 UPS ON

TECHNICAL DATA

MODEL	700VA	1000VA	1500VA	2000VA	3000VA	4000VA	5000VA
INPUT							
Rated voltage				220 -240Vac			
Voltage range	170-276Vac					176-276 Vac	170-276 Vac
Rated frequency				50-60 Hz ±5Hz			
Power factor	>0.93			>0.99		>0.98	
Input current	Sinewave						
BYPASS							
Voltage range	180 -264Vac						
Frequency range	Selected frequency ±5Hz						
BATTERIES							
Type	Maintenance-free sealed lead-acid						
Recharge time	4-8h						
OUTPUT							
Rated voltage	230Vac ±1.5%		220 or 230 or 240Vac selectable ±1.5%				
Waveform	Sinewave						
Voltage distortion	<2%						
Frequency	50 or 60Hz automatic selection				50 or 60Hz selectable		
Crest factor of the current	3:1						
INSTALLATION INFORMATION							
AC/AC efficiency	89%	89%	89%	90%	90%	90%	90%
Operating temperature	0 - 40°C						
Humidity	<90% non condensing						
Protection	Low battery - overcurrent - short-circuit - overvoltage - undervoltage - temperature						
Compliance	EN 50091-1-1 specifications and Council Directive 73/23 EEC EN 50091 - 2 cl. B and Council Directive 89/336 EEC						
Surge capability	IEC 801-5 6kV 1.2/50µs; 3kA 8/20µs						
Colour	Light grey RAL 7035						
Noise	<40dBA at 1m			<45dBA at 1m			
Maximum input current	3.5A	5A	7.4A	10A	14.4A	16A	24A
Differential input current*	1mA	1mA	1mA	1mA	1mA	1mA	6mA

* This value must be added to the differential current of the equipment.

BACK-UP GRAPH



REMOTE MIMIC PANELS (LEDS)



TECHNICAL DATA

Model No	Power	Back-up at full load	Dimensions (W x D x H) mm	Weight Kg
ETC700VA007	700VA/450W	8m*	158 x 376 x 231	7
ETC1KVA007	1000VA/700W	10m*	158 x 376 x 231	10
ETD1K5VA007	1500VA/1050W	11m*	158 x 485 x 340	23
ETD2KVA007	2000VA/1400W	11m*	158 x 485 x 340	27
ETD3KVA007	3000VA/2100W	13m*	158 x 590 x 480	43
ETD4KVA007	4000VA/2400W	10m*	158 x 590 x 480	44
ETD5KVA007	5000VA/3500W	11m*	230 x 650 x 528	65

* Load dependent (see graph)

TYPICAL BATTERY EXTENSION PACKS

UPS Model No	Back-up at full load	Battery Extension Packs Model No	Qty	Dimensions (W x D x H) mm	Weight Kg
ETC1KVA007	14m	BEP036007A/01	1	158 x 376 x 231	15
	26m	BEP036014A/01	1	158 x 376 x 231	24
	45m	BEP036024B/01	1	205 x 635 x 250	41
	1h10	BEP036038B/02*	1	205 x 635 x 250	52
	2h15	BEP036076X/02*	1	205 x 635 x 500	73
ETD1K5VA007	31m	BEP060012N	1	158 x 565 x 340	24
	1h	BEP060038X/01	1	205 x 635 x 500	88
	2h	BEP060024X/01	1	205 x 635 x 500	68
	-	+BEP060024X/02*	1	205 x 635 x 500	68
	4h	BEP060038X/01	2	205 x 635 x 500	88
	-	+BEP060038X/02*	1	205 x 635 x 500	88
ETD2KVA007	26m	BEP072012C*	1	158 x 565 x 340	30
	1h	BEP072038X/02*	1	205 x 635 x 500	103
	2h	BEP072038X/01	1	205 x 635 x 500	103
	-	+BEP072038X/02*	1	205 x 635 x 500	103
	4h	BEP072038X/01	2	205 x 635 x 500	103
	-	+BEP072038X/02*	1	205 x 635 x 500	103
ETD3KVA007	31m	BEP120012C*	1	158 x 565 x 340	45
	1h	BEP120038X/01	1	205 x 635 x 500	88
	-	BEP120038X/02*	1	205 x 635 x 500	88
	2h	BEP120024X/01	2	205 x 635 x 500	68
	-	+BEP120024X/02*	2	205 x 635 x 500	68
	4h	BEP120038X/01	3	205 x 635 x 500	88
	-	+BEP120038X/02*	3	205 x 635 x 500	88
ETD4KVA007	24m	BEP120012C*	1	158 x 565 x 340	45
	45m	BEP120024X/01	1	205 x 635 x 500	68
	-	+BEP120024X/02*	1	205 x 635 x 500	68
ETD5KVA007	15m	BEP180007N*	1	230 x 528 x 650	60
	25m	BEP180012C*	1	230 x 528 x 650	75
	45m	BEP180024C*	1	230 x 528 x 650	135

* Denotes that the battery pack has its own built-in charger.

OPTIONS

- 10 year design life, 5 year warranty batteries
- USB signal converter
- Volt-free signal converter
- SNMP network adapter
- Remote status panel with LEDs
- Wall mounted maintenance bypass with manual and automatic transfer
- Isolation (Galvanic) pack (common mode and electrical noise filter)
- Isolation (Galvanic) pack (common mode and electrical noise filter) with built-in manual and automatic transfer
- Voltage conversion pack (110/230 and 230/110V)
- Voltage conversion pack (110/230 and 230/110V) with built-in and automatic transfer
- 19" rackmount trays and PowerRak cabinet system - see page 60
- PowerShield² UPS monitoring and control software, and SNMP solutions - see page 64
- Service and maintenance plans - see page 67

TECHNICAL DATA

Model No	Power	Back-up at full load	Dimensions (W x D x H) mm	Weight Kg
RTC700VA007	700VA/450W	5m	483 x 375 x 89 (2U)	7
RTC1kVA007	1000VA/700W	6m	483 x 375 x 89 (2U)	10
RTD1k5VA007	1500VA/1050W	6m	483 x 490 x 178 (4U)	24
RTD2kVA007	2000VA/1400W	6m	483 x 490 x 178 (4U)	27
RTD3kVA007	3000VA/2100W	7m	483 x 550 x 178 (4U)	43

BACK-UP EXTENSION MODULES

UPS Model No	Back-up at full load	Battery Extension Trays Model No	Qty	Dimensions (W x D x H) mm	Weight Kg
RTC1kVA007	26m	REP036014N	1	483 x 380 x 89 (2U)	20
RTD1k5VA007	23m	REP060012C*	1	483 x 550 x 133 (3U)	25
RTD2kVA007	24m	REP072012C*	1	483 x 550 x 133 (3U)	29
RTD3kVA007	24m	REP120012C*	1	483 x 550 x 133 (3U)	45

* Denotes that the battery pack has its own built-in charger.