

ELITE
700-5000VA



The Elite range uses advanced digital on-line (VFI) technology to protect loads up to 5kVA.

The load is powered continuously by the inverter with an EMI filtered, stabilised and regulated sinewave supply. Elite 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 packs (BEPs) 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.



- 1 Load %
- 2 Battery charge %
- 3 Timer on
- 4 Mains supply present
- 5 Inverter on
- 6 UPS on batteries
- 7 UPS on bypass
- 8 Batteries discharged/Check battery
- 9 Stand-by
- 10 Alarm on/Reset button
- 11 OFF button
- 12 Normal running

CHARACTERISTICS

- 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 (5kVA has a built-in 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

APPLICATIONS

- Local Area Networks (LANs)
- Servers
- Data centres
- Industrial PLCs
- PoS (Point of Sale) systems
- Emergency applications (lights/alarms)
- Medical appliances
- Telecommunications devices



ADVANCED COMMUNICATION

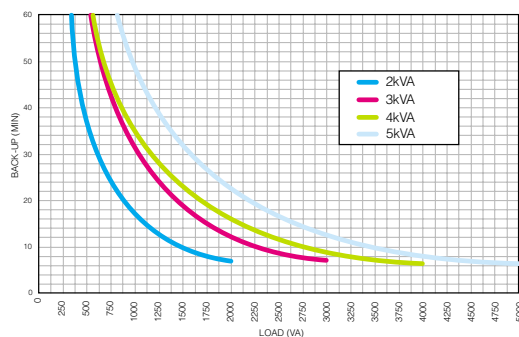
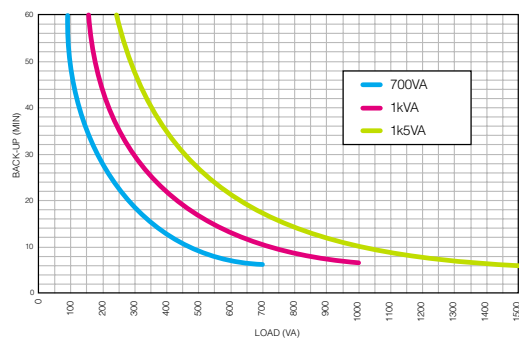
- Advanced, multi-platform communication, for all operating systems and network environments: PowerShield² monitoring and control software included, with SNMP agent for Windows 95, 98, 2000, Me, NT 4.0, Novell operating systems. The UPS is supplied with a cable for direct connection to a PC (Plug and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

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	BEP180007C*	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

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
 PowerShield² UPS monitoring and control software, and SNMP solutions
 Service and maintenance plans
 StrikeSafe Transient Voltage Surge Suppressors (TVSS)