

Enduro On-line UPS

Benefits

- ⊙ 0.9 Power Factor - High efficiency True Online design
- ⊙ High Density 2RU form factor (1-3kVA models) to minimise rack space usage
- ⊙ User configurable rear load segment to extend run time of critical loads (1-3kVA models)
- ⊙ Easy maintenance with front hot-swappable batteries
- ⊙ Additional EBMs can be added for longer run times
- ⊙ Rack or Tower convertible, including LCD display
- ⊙ Cold start function - start up on battery
- ⊙ 3 Mode intelligent charger to increase battery service life and optimise charging time
- ⊙ Selectable high efficiency “ECO” mode (97%) for power saving benefits
- ⊙ Optional Emergency Power Off (EPO) function
- ⊙ Selectable output voltage
- ⊙ Generator compatible
- ⊙ Feature rich LCD display can be configured for rack or tower operation
- ⊙ Dual standard interfaces include USB and RS-232 (RS-485 for 6/10KVA models) with intelligent shutdown software included
- ⊙ Optional SNMP (network) and Relay cards via rear expansion slot



Camera Surveillance



Gates



Telephone Systems



Computer



Servers



Point of Sale

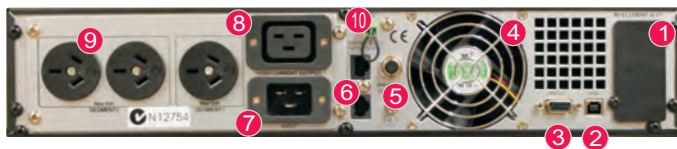


Industrial

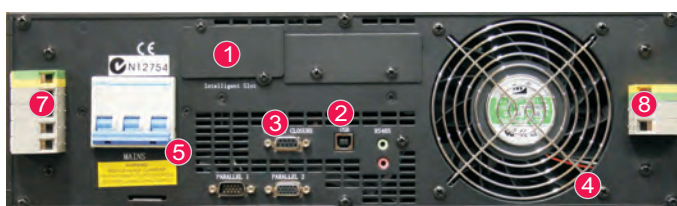
Rear Panels



1KVA



2KVA/3KVA



6KVA/10KVA

1. Intelligent Slot (SNMP card, Dry contact etc.)
2. USB port
3. RS-232/RS-485 port
4. FAN
5. Input breaker
6. RJ45 surge protection
7. Input socket / connector
8. High current output socket
9. Output sockets including critical & non-critical load segments
10. EPO header

SPECIFICATIONS

Model	EN 1000	EN 2000	EN 3000	EN 6000	EN 10 000
Capacity	1kVA/900W	2kVA/1800W	3kVA/2700W	6kVA/5400W	10kVA/9000W
Input					
Voltage Range	230V +/- 20%			230 +/- 20% (single phase) 400 +/- 20% (three phase)	
Frequency Range	45Hz - 65Hz				
Power Factor	≥ 0.98				
Breaker	7A	10A	15A	40A	60A
Input Socket	IEC 320 C13-10A	IEC 320 C20-16A		Hardwired	
Output					
Voltage Range	230VAC+/-2%				
Frequency (battery mode)	50Hz +/- 0.02Hz				
Power Factor	0.9				
Current Crest Ratio	3:1				
THD	≤3%(Linear Load); ≤5% (Non-linear load)				
Waveform	Pure Sinewave				
Output Sockets	3 x AU 3 Pin sockets (2 critical / 1 non-critical)			Hardwired	
Efficiency	≥89% normal mode, up to 97% ECO mode				
Overload Capacity	30s at 100-150%; 300ms at >150%				
Battery					
Type	Sealed lead acid, maintenance free				
Configuration (standard run)	3 x 12V / 7Ah	6x 12V / 7Ah	6 x 12V / 7.5Ah	20 x 12V / 7Ah	40 x 12V / 7.5Ah
Rated Battery Voltage	36V	72V	72V	240V	
Charge Current (Max)	1A			6A	
Recharge Time to 90%	5 Hours			8-10 Hours	
Charge Mode	Intelligent 3-stage charging				
Comms & Management					
Software	Windows 95/98/NT/2000/XP/Vista/7, Windows Server 2003/2008 Linux Debian, Redhat, Fedora, Suse, Ubuntu, CentOS, Novell, Mac, FreeBSD				
Ports	USB and RS-232 Standard			USB and RS-485 Standard	
Optional	SNMP, Relay contact output, AS400 relay contact				
LED/LCD Display	Load, Battery, Input, Output, Operating Mode Information			Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault	
Audible alarm	Battery Mode, Low battery, Overload, Fault				
Protection					
Surge protection	2200 Joules / 60,000 Amps				
Input protection	Compliance with IEEE 587				
Short circuit	Resettable circuit breaker				
EMC	EN50091-2, C Tick				
Network	RJ45, Full time network protection			N/A	
Characteristics					
Temperature	0 - 40 °C				
Humidity	0 - 95% (non-condensing)				
Noise Level	<50dB at 1m				
Weight	16.2kg	28.1kg	29.2kg	79kg	145kg
Dimensions (W x D x H) mm	440x430x86.5 (2RU)	440 x 690 x 86.5 (2RU)		443x580x262 (6RU)	443x580x393 (9RU)
Options					
Additional EBMs, EPO mode, Rail Kit					

Battery Runtimes in minutes at average load (longer runtimes available on request)

Model	Standard	+ 1 EBM	+ 2 EBMs	+ 3 EBMs	+ 4 EBMs
EN 1000	11	44	77	110	143
EN 2000	11	47	83	119	155
EN 3000	7	34	61	88	115
EN 6000	15	30	45	60	75
EN 10 000	20	30	40	50	60

Battery times are approximate and vary depending on the load configuration and battery charge

Specifications subject to change without prior notice