



## Network and storage protection

# E3

LCD-RT

## 800 to 3500 VA

The range of E3 LCD RT is dedicated to the electrical protection of your IT networks and loads. A wide power range and variety of characteristics enable you to choose the model perfectly adapted to your needs.

**ENERGY CONTROL**  
 up to **50%** energy saving  
 jusqu'à **50%** économie d'énergie



Online Performance Technology



Rack/Tower convertible



Multi-directional LCD control screen



Remote control software



Tel/ADSL protection



Backup time of up to 30 min.\*



Battery extension for S models



• **High-performance protection**

The E3 LCD RT range with its **On Line Performance technology** controlled by micro-processor offers ideal protection for all your IT networks and loads to which it delivers a **totally protected and perfect sine wave current**.

In the event of a power cut, E3 LCD RT offers up to **30 min. of backup time** therefore ensuring uninterrupted service and critical data backup. Its long backup time S models (1500, 2500 and 3500) enable backup time extension packs to be configured, which use **detection ports** to transmit data concerning the connected batteries to the main UPS LCD screen.

• **Energy-saving and environmentally-friendly functions**

A **built-in charger** reduces the battery charging time and enables them to be charged to 90% capacity in just 4 hours. In this way, a **maximum recharge** can be guaranteed between successive power cuts. When the UPS is not powered up, the **cold start** function enables emergency starting of connected hardware.



The E3 LCD RT will **restart automatically** when mains power is restored.

The batteries charge up as soon as there is a power supply.

In this way, the E3 LCD RT saves **50% more energy** than a normal UPS.

• **Connections adapted to all situations**

To adapt to all usage needs and contexts, the 800 to 2500 VA models have 8 UPS protected outlets (10 A) including 4 that can be programmed, as well as the 3000 and 3500 VA

models with 7 UPS protected outlets (10 and 16 A) including 4 programmable outlets. In addition, they all protect the **Tel/ADSL line** via RJ45 connectors.

E3 LCD RT range is equipped with **RS232 and USB ports** enabling remote control of the UPS using **InfoPower software** (see description on back). This software also manages automatic extinction in the event of a long power cut.

• **An easy and adaptable operating mode**

The E3 LCD RT offers choice of rackmount or tower installation using its brackets or pedestal, supplied as standard. The LCD screen is intuitive and multi-directional.



\* Depending on the model and connected load



# 800 to 3500 VA

- 1/ IEC programmable outlets
- 2/ IEC standard outlets
- 3/ AC input outlet
- 4/ Input circuit breaker (thermal cut-out)
- 5/ RJ45 protected outlets
- 6/ Emergency Power Off (EPO) connector
- 7/ USB communication port
- 8/ RS232 communication port
- 9/ SNMP intelligent slot
- 10 / External battery connector (S models only)
- 11/ Port detecting number of external battery packs



**E3 LCD RT IEC - 800/1000/1500 (S)/2000/2500 (S) VA**



**E3 LCD RT IEC - 3000/3500 (S) VA**

E3 LCD RT 800 VA	E3 LCD RT 1000 VA	E3 LCD RT 1500 VA (S)	E3 LCD RT 2000 VA	E3 LCD RT 2500 VA (S)	E3 LCD RT 3000 VA	E3 LCD RT 3500 VA (S)
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## GENERAL CHARACTERISTICS

Technology	Microprocessor-controlled On Line Performance					
Power	800VA/600W	1000VA/640W	1500VA/880W	2000VA/1300W	2500VA/1600W	3000VA/2000W   3500VA/2400W

## PROTECTION & FILTERING

Output form	Pure Sine Wave
Protection	Discharge / overcharge / overload + Tel/ADSL line
Input protection	Input Circuit Breaker
Surge protection (Joule)	> 296
Tel/ADSL line protection	RJ45 (1-IN/1-OUT)

## PHYSICAL CHARACTERISTICS (standard models)

Dimensions - HxVxD (mm)	88 x 438 x 350 (2U)		88 x 438 x 480 (2U)		88 x 438 x 600 (2U)	
Net weight (Kg)	14,8	15,3	15,8	23	25	32   35

## PHYSICAL CHARACTERISTICS (S models)

Dimensions - HxVxD (mm)	-	-	88 x 438 x 350 (2U)	-	88 x 438 x 350 (2U)	-	88 x 438 x 350 (2U)
Net weight (Kg)	-	-	10,8	-	14	-	18

## INPUT TECHNICAL CHARACTERISTICS

Voltage	[110-120 VAC] or [208/220/230/240 VAC]
Voltage range	[81-145 VAC] or [162-290 VAC] ± 3%
Frequency	50/60 Hz (auto sensing)

## OUTPUT TECHNICAL CHARACTERISTICS

Voltage - AC mode	[110-120 VAC] or [208/220/230/240 VAC]					
Automatic voltage regulation (AC mode)	± 10%					
Voltage - Battery mode	[110-120 VAC] or [208/220/230/240 VAC]					
Automatic voltage regulation (Batt. mode)	± 3%					
Frequency	50 or 60 Hz ± 1 Hz					
Current crest ratio	3:1					
Harmonic distortion	8% max. @ 100% linear load ; 15% max. @ 100% non-linear load (before alarm)					
IEC output connectors standards/programmables	4/4 (10 A)	4/4 (10 A)	4/4 (10 A)	4/4 (10 A)	4/4 (10 A)	3/3 (10 A) + 1 (16 A)
NEMA output connectors standards/programmables	2/2 (15 A)	2/2 (15 A)	2/2 (15 A)	2/2 (15 A)	4/4 (15 A)	In/Out Terminal

## EFFICIENCY

AC mode	97%					
Battery mode	83%		85%		87%	

## BATTERY (standard model)

Battery charger	Operates when UPS connected to mains					
Cold start (no mains)	Yes					
Battery type & number	12V/7 Ah x 2	12V/7 Ah x 2	12V/9 Ah x 2	12V/7 Ah x 4	12V/9 Ah x 4	12V/7 Ah x 6   12V/9 Ah x 6
Charging voltage	27,4 VDC ± 1%			54,8 VDC ± 1%		82,1 VDC ± 1%
Recharging time	4 hours to 90% after complete discharge					
Backup time	From 5 to 30 min. depending on the connected load					

## BATTERY (S model)

Charging current (A)	-	-	4	-	4	-
Charging voltage	-	-	27,4 VDC ± 1%	-	54,8 VDC ± 1%	82,1 VDC ± 1%

## BATTERY EXTENSION (optional)

Battery type & number	12V/9 Ah x 8		12V/9 Ah x 12	
Dimensions - HxVxD (mm)	88 x 438 x 480 (2U)		88 x 438 x 600 (2U)	
Net weight (Kg)	28,1		38,8	

## INDICATORS

LCD screen display	AC mode, Battery mode, Load level, Battery level, Input voltage, Output voltage, Overload, Fault & Low battery
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## COMMUNICATION

USB communication port	1	1	1	1	1	1
RS232 communication port	1	1	1	1	1	1
Communication software	InfoPower (supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix et MAC)					
SNMP (optional)	Power management from SNMP manager and web browser					

## ENVIRONMENT

Ideal environment	0-40°C, 0-90% of relative humidity (without condensation)					
Noise level	< 45 dB					
Heat dissipation (W)	10	13	18	24	33	41   49
Heat dissipation (BTU/min.)	0,57	0,74	1,02	1,37	1,88	2,33   2,79

## IEC NORMS

Standard	CE RoHS					
EMC (Electromagnetic compatibility)	EN 62040-2 / IEC 61000-4-2 / IEC 61000-4-3 / IEC 61000-4-4 / IEC 61000-4-5 / IEC 61000-2-2					
Low voltage (security)	EN 62040-1-1 / IEC 60950-1					

## SALES INFO

Warranty	2 years					
Generods - 230 V	3700085 65372 2	3700085 65373 9	3700085 65374 6	3700085 65375 3	3700085 65376 0	3700085 65377 7   3700085 65378 4
Generods (S models) - 230V	-	-	3700085 65379 1	-	3700085 65380 7	-   3700085 65381 4

## • InfoPower software :

- Simple user interface.
- UPS start and shutdown programming.
- Data and events record enabling daily maintenance.
- E-mail messaging to manage UPS status at all times via the local network.
- Free download from [www.infosec-ups.com](http://www.infosec-ups.com).



## • Package contents :

- E3 LCD RT,
- 1 input cable,
- 1 IEC output cable,
- 1 USB cable,
- InfoPower software,
- Pedestal and Rackmounting kit,
- User manual.



## • Warranty :

- Two-year warranty (UPS + battery) standard replacement of the device.



## • Options :

- SNMP agent card
- Battery cabinets
- Rail kit
- Battery extension for standard models



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