



# UPS Solutions

from 400 VA to 480 kVA  
& Related services

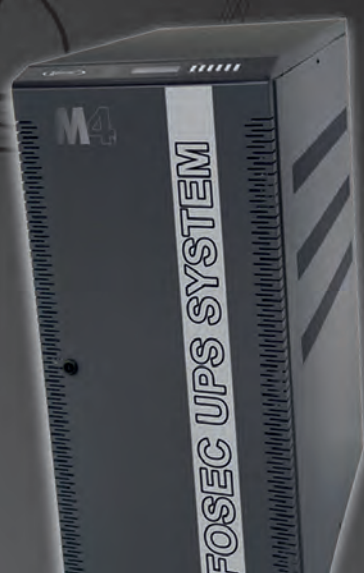
L'Énergie Sans Limite !  
Safe Energy for Life !

[www.infosec-ups.com](http://www.infosec-ups.com)



# UPS Solutions

from 400 VA to 480 kVA



# Contents



Mission & commitments 2

Markets & distribution 3

UPS technical solutions guide 4

Service box: insurance, warranty and maintenance contract 6

UPS selection guide 7

## UPS SOLUTIONS

Digital leisure & PABX 8

Z1 Cube 9

Z3 Zenergy Box 10

Z4 B Box2 11

IT systems, SME 12

X1 EX 13

X3 EX LCD USB 14

X4 RT 15

Networks & Storage, SMEs 16

X4 Sinus RT 17

Company networks, Service industries 18

E2 LCD 19

E3 LCD RT 20

E3 LCD RT accessories 21

Network & critical applications, Industrial environments 22

E4 LCD LT 23

E4 LCD LTX 24

E4 LCD 25

E4 LCD TM 26

E4 LCD TT 27

E6 LCD RT Evolution 28

E6 LCD TM RM 29

Critical medical and industrial applications 30

M4T Evolution 31

External Maintenance Bypass 32

BMe 33

Renewables energies 34

P2 Sunshine 35

C2 Nomad Combo 36

C2 Nomad Combo : Applications 37

AVR 38

R1 39

R3 40



20 years experience

**INFOSEC Communication, a French company founded in 1991 and which is based in Orvault, near Nantes, has successfully positioned itself on the world electrical safety market and more specifically in the field of UPS devices and surge suppressors.**

**INFOSEC Communication's 20 years experience and its determination to provide personalized solutions have enabled it to build close partnerships, with its customers, which the company endeavours to maintain by giving preference to human relations.**



## Solutions at the service of energy control

INFOSEC UPS System™ solutions are designed to effectively protect sensitive computer hardware from potentially irreversible damage caused by power disturbances, cuts and interference.

Due to a wide range of solutions, INFOSEC UPS System™ meets the needs of private individuals as well as professionals. Outstanding reliability and a personalized after-sales service are the ultimate assets that INFOSEC UPS System™ offers to ensure customer satisfaction.

Since its inception, INFOSEC Communication has developed its lines of UPS devices and surge suppressors using the most high performance and electricity-efficient technologies.

Our hardware protection systems are also supplemented by software applications that provide full protection of sensitive equipment in all circumstances.



## Quality & environment

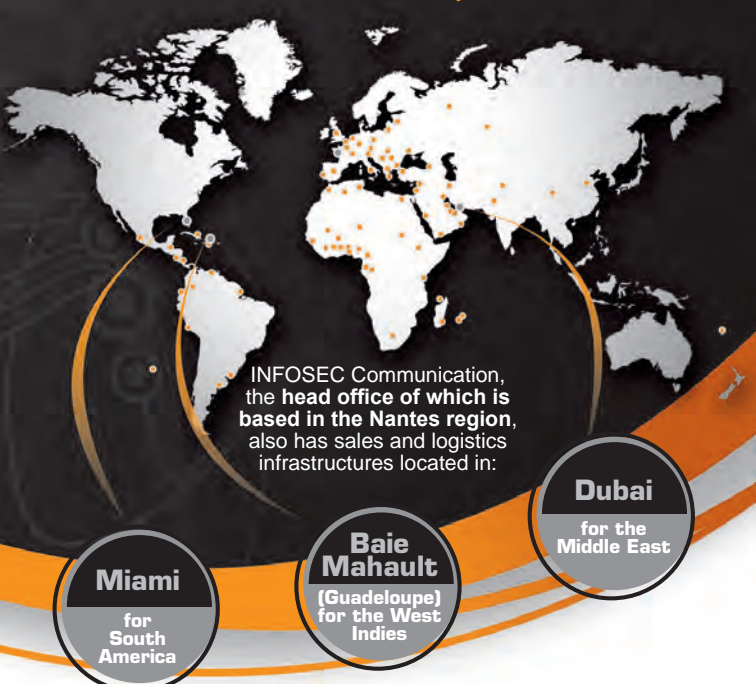
### A deliberate commitment to environmental protection

In 2007, INFOSEC Communication declared its **commitment to environmental protection with ISO 14001 certification for the design, manufacture, assembly activities and the distribution and after-sales service of its INFOSEC UPS System™ UPS devices, surge suppressors, universal chargers and waterproof bags.**

**These processes, Certified ISO 9001, are the pledge of the company's permanent and profound commitment to the satisfaction of its customers and building long term partnerships.**

These 2 approaches assure our commitment to meet current regulations as well as the quality of our products and services.

**INFOSEC Communication SA,**  
French company,  
has manufactured and marketed  
UPS devices and surge suppressors  
in the international arena  
for more than 20 years.



INFOSEC Communication,  
the head office of which is  
based in the Nantes region,  
also has sales and logistics  
infrastructures located in:

**Miami**

for  
South  
America

**Baie  
Mahault**

(Guadeloupe)  
for the West  
Indies

**Dubai**

for the  
Middle East

## Distribution

INFOSEC UPS  
System™ products are  
distributed in France and abroad  
through specialised wholesalers and  
are present on 3 distribution channels :

- IT,
- Electrical,
- General or Specialized Mass Distribution.

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The INFOSEC UPS System™  
brand is now represented in **more than 90**  
**countries worldwide**  
through distributors who have been  
loyal to the brand for several years.

## What is a UPS?

The **UPS** is an important link in the safety of IT devices. The Infosec UPS ensures an uninterrupted and high quality power supply to connected devices.

### Uninterrupted power supply

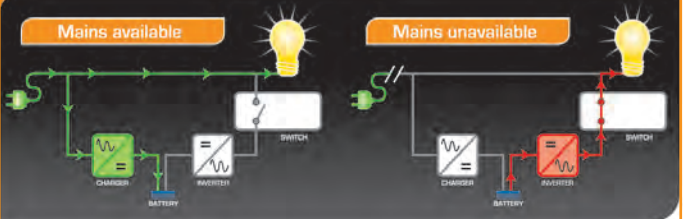
In the event of a power cut, the UPS takes over from the mains. Users can thus save work in progress.

### Equipment protection

Disturbances or electrical failure (fluctuations in frequency, voltage dips, etc.) are likely to damage installations and computer data. Infosec UPS devices are designed to filter and adjust voltage so as to deliver quality power.

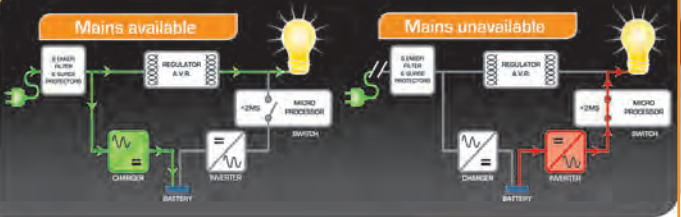


### OFF LINE TECHNOLOGY: Digital leisure & PABX



Hardware is normally supplied by the mains and the UPS will only take over in the event of a power cut or major drop in voltage.

## LINE INTERACTIVE TECHNOLOGY: IT systems, SMEs



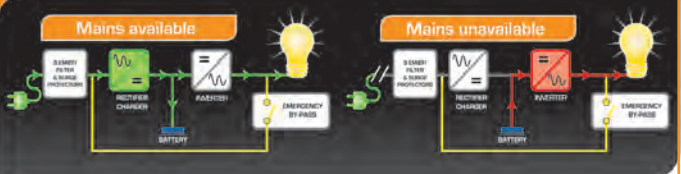
Input voltage is tested and filtered by the UPS before being delivered to the devices. The power supplied is therefore of better quality. A voltage regulator enables the continuous supply of quality power when major fluctuations occur and without using the batteries whose wear is directly proportional to the number of charging cycles. A filter and surge protector increase the level of safety.

## ON LINE PERFORMANCE TECHNOLOGY: Company networks; Service industries



On Line Performance technology offers a level of protection close to On Line Double Conversion technology. The voltage delivered is automatically regulated to provide a perfect sinusoidal signal, whether the UPS is in mains or battery mode.

## ON LINE DOUBLE CONVERSION TECHNOLOGY: Critical industrial & medical applications



The UPS supplies uninterrupted power, thereby ensuring constant and disturbance-free voltage. The device to be protected is therefore totally independent of the mains, which means there is no switchover time and no power disturbances. When a mains power cut occurs a communication software automatically closes all programs after having performed the required backups. These On Line UPS devices offer the most stable output power and the best immunity to interference.



**INFOSEC**  
Service Box  
proposes **services**  
**related** to the UPS devices  
and surge suppressors:  
**warranties and warranty**  
**extensions, as well as**  
**maintenance contracts.**



## Warranty and Insurance

Infosec products **are guaranteed for manufacturing defects**, and also for any material flaws that may **adversely affect the quality of protection.**

This warranty varies depending on the model.

Infosec offers insurance for connected equipment with most of its UPS devices and surge suppressors. **The insured amount depends on the model.**

To take out insurance, visit the website  
[www.infosec-ups.com](http://www.infosec-ups.com)

## Extended warranty

INFOSEC Communication also provides **warranty extensions to 3 years for UPS devices.**

To take it out, simply order at the time of product purchase.

## Maintenance contract

INFOSEC Communication offers several types of **maintenance contract for UPS devices in the On Line range from 5 kVA.** Maintenance contracts may include the replacement of parts, battery replacement, labour, travel in the event of repair and an annual inspection.



# UPS range

## Selection guide

### TECHNOLOGY

|  | HIGH FREQUENCY |    | LINE INTERACTIVE |    | SINUS OUTPUT LINE INTERACTIVE | ON LINE PERFORMANCE | ON LINE DOUBLE CONVERSION | MPPT | SCC |
|--|----------------|----|------------------|----|-------------------------------|---------------------|---------------------------|------|-----|
| Digital leisure & PABX                                   | Z1             | Z3 | Z4               | X1 |                               |                     |                           |      |     |
| IT systems, SMEs   |                |    |                  | X3 | X4                            |                     |                           |      |     |
| Networks & Storage, SMEs                                 |                |    |                  |    | X4 SINUS                      |                     |                           |      |     |
| Company networks, Service industries                     |                |    |                  |    |                               | E2                  |                           |      |     |
| Network & critical applications, Industrial environments |                |    |                  |    |                               |                     | E4                        | E6   |     |
| Critical industrial & medical applications               |                |    |                  |    |                               |                     |                           | M4   |     |
| Renewables energies                                      |                |    |                  |    |                               |                     |                           | P2   | C2  |

UNIVERS

# Digital leisure & PABX

Reliable solutions for  
optimal protection of your  
computing hardware and  
multimedia devices



## Your opinion!

*"In the south-west, there are very violent thunderstorms in the fall and the motherboard of a PC is sensitive to electrical disturbances. I therefore got a Z1 Zenergy Cube 400 VA. Start-up was problem-free: you connect, you press the button, and it's all good! "*

*David, Toulouse (31)*




**Backup time up to 11 min\***  
\*Depending on the model and the connected load



**3 French outlets**  
(Also available with Schuko outlets)



**High Frequency Technology**



**PC & Mac**



- Microprocessor-controlled High Frequency Technology.
- 3 French outlets protecting your devices against power cuts, overvoltage, short circuits and the risk of lightning.

- UPS automatic restart when mains power restored.
- Cold start-up if there is no power supply.
- Operating LEDs.
- Can be wall-mounted.



|                     | Power  | Cos Phi | Nb of outlets | Backup time (1 PC) | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|---------------------|--------|---------|---------------|--------------------|-------------|-----------------------|-------|
| Z1 Zenergy Cube 400 | 400 VA | 0.5     | 3             | up to 10 min.      | 2.25        | 86,7 x 161 x 166      | 65520 |
| Z1 Zenergy Cube 600 | 600 VA | 0.5     | 3             | up to 11 min.      | 2.56        |                       | 65521 |

# Z3 Zenenergy BOX



**Backup time up to 18 min\***  
\*Depending on the model and the connected load



**USB communication port**



**Tel./ADSL line protection**



**6-8 French outlets**



**High Frequency Technology**



**PC & Mac**



- Microprocessor-controlled High Frequency Technology.
- 6-8 French outlets protected against electrical network transients and lightning.
- 3 to 4 protected outlets offering up to 18 minutes of backup time for your multimedia hardware.
- 2 RJ 45 ports to protect your ADSL modem.
- USB communication port.
- UPS automatic restart when mains power restored.
- Products with less impact on the environment due to the housing, packaging and manual being made from recycled materials.
- Can be wall-mounted.



|                       | Power   | Cos Phi | Nb of outlets | Backup time (1 PC) | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|-----------------------|---------|---------|---------------|--------------------|-------------|-----------------------|-------|
| Z3 Zenenergy Box 500  | 500 VA  | 0.5     | 3+3           | up to 8 min.       | 2.5         | 200 x 230 x 92.5      | 65522 |
| Z3 Zenenergy Box 700  | 700 VA  | 0.5     | 4+4           | up to 14 min.      | 3.1         |                       | 65523 |
| Z3 Zenenergy Box 1000 | 1000 VA | 0.5     | 4+4           | up to 18 min.      | 3.4         |                       | 65524 |

# Z4 B-box 2



**Backup time up to 20 min\***  
\*Depending on the model and the connected load



Tel./ADSL line protection



3 French outlets  
(Also available with schuko outlets)



High Frequency Technology



PC & Mac



- Microprocessor-controlled High Frequency Technology.
- 3 French outlets protecting your devices against power cuts, overvoltage, short circuits and the risk of lightning.
- 2 RJ 11 ports to protect your ADSL modem.
- UPS automatic restart when mains power restored.
- Cold start-up if there is no power supply.
- Can be wall-mounted.



|                | Power   | Cos Phi | Nb of outlets | Backup time (1 PC) | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|----------------|---------|---------|---------------|--------------------|-------------|-----------------------|-------|
| Z4 B-box2 500  | 500 VA  | 0.5     | 3             | up to 8 min.       | 2.2         | 207 x 228 x 82.5      | 65275 |
| Z4 B-box2 700  | 700 VA  | 0.5     | 3             | up to 15 min.      | 2.7         |                       | 65276 |
| Z4 B-box2 1000 | 1000 VA | 0.5     | 3             | up to 20 min.      | 3.1         |                       | 65277 |

# IT systems, SMEs

UPS devices designed to  
protect your  
personal and professional  
computers



## Your opinion!

*"Data are vital to my business, each station and the information it contains should be protected. In the event of a power cut, the UPS takes over and if the outage continues, the InfoPower software automatically saves the data, closes applications, then turns off computer hardware to prevent it from being damaged."*

Bruno, Grenoble (38)

# X1<sup>EX</sup>

INFOSEC

X1



**Backup time up to 45 min\***  
\*Depending on the model and the connected load



FR/Schuko outlets



PC & Mac



Line Interactive Technology



- Line Interactive Technology with automatic voltage adjustment ensuring the distribution of clean, regular power.
- Ideal solution single-user workstations.
- 2-4 FR/Schuko outlets ensuring protection against power cuts, overvoltage, short circuits and the risk of lightning.
- Energy saver: if none of the loads connected are ON and the UPS switches to battery mode, it will automatically stop so as not to needlessly drain battery power (on 500 to 1000 VA models).
- UPS automatic restart when mains power restored.
- Cold start-up if there is no power supply.



|            | Power   | Cos Phi | Nb of outlets | Backup time (1 PC) | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|------------|---------|---------|---------------|--------------------|-------------|-----------------------|-------|
| X1 EX 500  | 500 VA  | 0.5     | 2             | up to 8 min.       | 3.55        | 142 x 101 x 279       | 65953 |
| X1 EX 700  | 700 VA  | 0.5     | 2             | up to 12 min.      | 4.25        |                       | 65954 |
| X1 EX 1000 | 1000 VA | 0.5     | 2             | up to 20 min.      | 4.9         |                       | 65955 |
| X1 EX 1250 | 1250 VA | 0.5     | 4             | up to 36 min.      | 8.3         | 160 x 146 x 350       | 65956 |
| X1 EX 1600 | 1600 VA | 0.56    | 4             | up to 40 min.      | 11.1        | 205 x 146 x 397       | 65957 |
| X1 EX 2000 | 2000 VA | 0.6     | 4             | up to 45 min.      | 12          |                       | 65958 |

# X3

EX LCD USB



**Backup time up to 50 min\***  
\*Depending on the model and the connected load



**Remote control software**



**Tel./ADSL line protection**



**FR/Schuko outlets**



**Line Interactive Technology**



**PC & Mac**



- Line Interactive Technology with automatic voltage adjustment ensuring the distribution of clean, regular power.
- LCD control screen.
- 2-4 FR/Schuko outlets ensuring protection against power cuts, overvoltage, short circuits and the risk of lightning.
- 2 RJ 11/45 ports to protect your phone line and ADSL modem.

- USB communication port enabling the UPS to be operated remotely from a PC and to use automatic shutdown software.
- Energy saver: if none of the loads connected are ON and the UPS switches to battery mode, it will automatically stop so as not to needlessly drain battery power (on 500 to 1000 VA models).
- UPS automatic restart when mains power restored.
- Cold start-up if there is no power supply.



|            | Power (VA) | Cos Phi | Nb of outlets | Backup time (1 PC) | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|------------|------------|---------|---------------|--------------------|-------------|-----------------------|-------|
| X3 EX 500  | 500 VA     | 0.5     | 2             | up to 10           | 3.55        | 142 x 100 x 287       | 65965 |
| X3 EX 650  | 650 VA     | 0.5     | 2             | up to 12           | 4.25        |                       | 65966 |
| X3 EX 800  | 800 VA     | 0.6     | 2             | up to 15           | 4.9         |                       | 65967 |
| X3 EX 1000 | 1000 VA    | 0.5     | 4             | up to 15           | 5.2         | 160 x 146 x 350       | 65968 |
| X3 EX 1200 | 1200 VA    | 0.5     | 4             | up to 30           | 8           |                       | 65969 |
| X3 EX 1600 | 1600 VA    | 0.5     | 4             | up to 40           | 11.1        | 205 x 145 x 397       | 65970 |
| X3 EX 2000 | 2000 VA    | 0.6     | 4             | up to 50           | 11.5        |                       | 65971 |



# X4<sub>RT</sub>



**Backup time up to 24 min\***  
\* Depending on the model and the connected load



**Remote control software**



**Tel./ADSL line protection**



**Rack/Tower convertible**



**French outlets (Also available with schuko outlets)**



**High Frequency Line Interactive Technology**



- High Frequency Line Interactive Technology with automatic voltage adjustment ensuring the distribution of clean, regular power.
- 5 FR outlets including 4 outlets with backup in the event of power cuts. The 5 outlets are protected against overvoltage, short circuits and the risk of lightning.
- 2 RJ 11 ports to protect your phone line and ADSL modem.
- Compatible with computers equipped with APFC power supply units.
- UPS automatic restart when mains power restored.
- Cold start-up if there is no power supply.
- Option : rack kit.



|            | Power (VA) | Power (W) | Nb of outlets | Backup (1PC) | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|------------|------------|-----------|---------------|--------------|-------------|-----------------------|-------|
| X4 RT 650  | 650 VA     | 360 W     | 4+1           | up to 15     | 4.24        | 100 x 206 x 235       | 65285 |
| X4 RT 850  | 850 VA     | 480 W     | 4+1           | up to 19     | 4.6         | (tower position)      | 65286 |
| X4 RT 1000 | 1000 VA    | 600 W     | 4+1           | up to 24     | 4.82        | 3U (rack position)    | 65287 |

# Networks & Storage, SMEs

Equipment dedicated to the network and storage protection for most of SMEs/ SMIs



## Your opinion!

*«We are working through network in our SME and we absolutely need to store huge amount of data on our servers. We have been advised to get the X4 SINUS RT and since we feel safer and unworried when there are power cuts.»*

*Philippe, Angers (49)*

# X4

SINUS RT



**Backup time up to 30 min\***  
\*Depending on the model and the connected load



**Remote control software**



**Tel./ADSL line protection**



**Rack/Tower convertible**



**IEC outlets**



**Sine wave output Interactive Line Technology**

## ENERGY CONTROL

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

- Microprocessor-controlled sine wave output Interactive Line Technology.
- 1500 and 2000 VA models: 8 IEC outlets (10A) including 4 that are programmable.
- 3000 VA model: 6 IEC outlets (10A) including 3 that are programmable + 1 IEC outlet (16A).
- USB and RS 232 communication ports

- enabling the UPS to be managed remotely from a computer.
- A built-in charger reduces battery charge time and enables them to be charged to 90% capacity in just 4 hours.
- Rack or tower mount.
- UPS automatic restart when mains power restored.
- Cold start-up if there is no power supply.
- Ideal solution for servers.



|                          | Power (VA) | Power (W) | Nb of outlets | Including programmable outlets | Weight (kg) | Dimensions (HxWxD) mm | Ref   |
|--------------------------|------------|-----------|---------------|--------------------------------|-------------|-----------------------|-------|
| <b>X 4 SINUS RT 1500</b> | 1500 VA    | 880 W     | 8             | 4                              | 15.8        | 88 x 440 x 410 (2U)   | 65382 |
| <b>X 4 SINUS RT 2000</b> | 2000 VA    | 1300 W    | 8             | 4                              | 23          | 88 x 440 x 510 (2U)   | 65383 |
| <b>X 4 SINUS RT 3000</b> | 3000 VA    | 2000 W    | 7             | 3                              | 32          | 88 x 440 x 630 (2U)   | 65385 |

# Company networks, Service industries

A range of UPS devices dedicated to protecting your networks and professional IT applications



## Your opinion!

*"When I sell a network solution, I always recommend a UPS upstream. With an automatic voltage adjustment system, the E3 LCD RT UPS devices fully protect hardware."*

*Delphine, Paris (75)*

# E2<sub>LCD</sub>



**Backup time up to 60 min\***  
\*Depending on the model and the connected load



LCD control screen



Remote control software



Tel./ADSL line protection



IEC outlets

## ENERGY CONTROL

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

- On Line Performance Technology and automatic voltage adjustment system.
- 4-6 IEC outlets ensuring protection against power cuts, overvoltage, short circuits and the risk of lightning.
- 2 RJ 11/45 ports to protect your phone line and ADSL modem.

- USB communication port.
- A built-in charger reduces battery charge time and enables them to be charged to 90% capacity in just 4 hours.
- UPS automatic restart when mains power restored.



|                    | Power (VA) | Power (W) | Nb of outlets | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|--------------------|------------|-----------|---------------|-------------|-----------------------|-------|
| <b>E2 LCD 600</b>  | 600 VA     | 360 W     | 4             | 5.2         | 145 x 100 x 330       | 65348 |
| <b>E2 LCD 800</b>  | 800 VA     | 480 W     | 4             | 6           |                       | 65349 |
| <b>E2 LCD 1000</b> | 1000 VA    | 700 W     | 4             | 9           | 160 x 146 x 350       | 65350 |
| <b>E2 LCD 1500</b> | 1500 VA    | 1050 W    | 6             | 11.6        | 205 x 146 x 397       | 65351 |
| <b>E2 LCD 2000</b> | 2000 VA    | 1400 W    | 6             | 12.2        |                       | 65352 |




Extended backup time available



LCD control screen



Remote control software



Tel/ADSL line protection



Rack/Tower convertible



IEC outlets

## ENERGY CONTROL

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

- Microprocessor-controlled On Line Performance Technology.
- 3 or 4 programmable outlets to independently control strategic and non-critical loads.
- USB and RS232 communication ports.
- 2 ports RJ45 to protect your phone line and ADSL modem.
- A built-in charger reduces battery charge time and enables them to be charged to 90% capacity in just 4 hours.
- Rack or tower mount.
- UPS automatic restart when mains power restored.
- Connector for external battery extension up to 30 min.



|                | Power (VA) | Power (W) | Nb of outlets | Including programmable outlets | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|----------------|------------|-----------|---------------|--------------------------------|-------------|-----------------------|-------|
| E3 LCD RT 800  | 800 VA     | 600 W     | 8             | 4                              | 12.7        | 88 x 440 x 390 (2U)   | 65372 |
| E3 LCD RT 1000 | 1000 VA    | 640 W     | 8             | 4                              | 12.9        |                       | 65373 |
| E3 LCD RT 1500 | 1500 VA    | 880 W     | 8             | 4                              | 13.4        |                       | 65374 |
| E3 LCD RT 2000 | 2000 VA    | 1300 W    | 8             | 4                              | 21          | 88 x 440 x 515 (2U)   | 65375 |
| E3 LCD RT 2500 | 2500 VA    | 1600 W    | 8             | 4                              | 23          |                       | 65376 |
| E3 LCD RT 3000 | 3000 VA    | 2000 W    | 7             | 3                              | 27.5        | 88 x 440 x 635 (2U)   | 65377 |
| E3 LCD RT 3500 | 3500 VA    | 2400 W    | 7             | 3                              | 29          |                       | 65378 |



External bypass  
Tower format



External bypass  
Rack 19'' format

### E3 LCD RT accessories:

- **Rack kit:** It ensures that the UPS is securely fastened when it is set up in a 19" bay.
- **SNMP agent card:** Using an SNMP agent with E3 LCD RT devices makes it easier to manage the UPS and network power supply due to its many special features:
  - 3D View SNMP Card.
  - Ethernet network connection and IP address identification.
  - Low battery detection.
  - Configuring and programming extensions and restart of the system on a weekly (or other) basis.
  - Setting the UPS locally or remotely.
  - Self-diagnosis of the UPS devices while operating.
  - Automatic shutdown according to pre-defined priorities on network PCs.
  - Sending warning messages to network users.
  - Events log.
- **AS400 dry contact card:** The AS400 communication card supplies dry contacts to feedback alarms from your UPS or centralized technical management. Depending on the applications, dry contacts may normally be open or closed.
- **External maintenance by-pass BMe1:** The external maintenance by-pass enables the connected hardware to be manually transferred to the mains power supply via simple rotary switch. Available with FR, IEC, UK, Schuko and NEMA outlets.
- **Environment Manager Device (EMD):** temperature and humidity detector (to connect on SNMP agent).

# Network & critical applications, Industrial environments

Reliability, availability  
and performance



## Your opinion!

*"Critical systems such as data centers or industrial applications require both reliability and performance levels at all times. Taking the slightest risk is out of the question!"*

*Jean-Luc, Clermont Ferrand (63)*





IEC outlets



Tel/ADSL line protection\*  
\*See applicable models



RS 232 port



Remote control software



LCD control screen

## ENERGY CONTROL

up to **50%** energy saving  
Jusqu'à **50%** économie d'énergie

- Microprocessor-controlled High Frequency On Line Double Conversion Technology.
- On Line budget solution for sensitive networks, data centers and server groups.
- 1, 2 and 3 kVA models: 4-6 IEC outlets (+ output terminal on 3 kVA model).

- 5 & 6 kVA models: 6 IEC outlets + input/output terminals.
- RS232 communication port and InfoPower software enabling files to be automatically closed remotely to protect PC or IT network data.
- Compatible with generators.
- Cold start function.



|                | Power (VA) | Power (W) | Nb of outlets | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|----------------|------------|-----------|---------------|-------------|-----------------------|-------|
| E4 LCD LT 1000 | 1000 VA    | 800 W     | 4             | 10.75       | 397 x 145 x 220       | 67102 |
| E4 LCD LT 2000 | 2000 VA    | 1600 W    | 4             | 17.5        |                       | 67103 |
| E4 LCD LT 3000 | 3000 VA    | 2400 W    | 6 + terminal  | 29          | 421 x 190 x 318       | 67104 |
| E4 LCD LT 5000 | 5000 VA    | 4000 W    | 6 + terminal  | 37          |                       | 67105 |
| E4 LCD LT 6000 | 6000 VA    | 4200 W    | 6 + terminal  | 37          |                       | 67106 |



Remote control software



LCD control screen



Battery extension available



- On Line Double Conversion Technology.
- On Line budget solution with integrated internal bypass.
- Input and output terminal
- DSP technology which warrants high performances.
- Adjustable battery number (from 16 to 20 pcs).
- Active input power factor correction 0,99.
- RS 232 and USB communication ports.
- Emergency power off function (EPO) initiating a total and immediate shutdown of the UPS.
- Intelligent battery chargers to optimise battery performance.
- Cold start function.
- Overload protection.
- Auto-test at start-up.
- Extended backup time version available.
- Options :
  - SNMP and RS485 cards
  - Dry contacts card

|                  | Power (VA) | Power (W) | Nb of outlets | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|------------------|------------|-----------|---------------|-------------|-----------------------|-------|
| E4 LCD LTX 5000  | 5 kVA      | 4000 W    | Terminal      | 60          | 688 x 190 x 369       | 67154 |
| E4 LCD LTX 6000  | 6 kVA      | 4800 W    |               |             |                       | 67155 |
| E4 LCD LTX 8000  | 8 kVA      | 6400 W    |               | 75          | 688 x 190 x 442       | 67156 |
| E4 LCD LTX 10000 | 10 kVA     | 8000 W    |               |             |                       | 67157 |



**Battery extension available**



**LCD control screen**



**Remote control software**



**Tel./ADSL line protection\***  
\*See applicable models



**Redundant parallelizable\***  
\*up to 3 UPS from 5 kVA



**IEC outlets**

**ENERGY CONTROL**

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

- On Line Double Conversion Technology.
- Up to three UPS devices can be connected in parallel redundant mode from 5 kVA.
- Programmable outputs.
- Remote control via the Infopower software (or optional SNMP agent).
- Tel./Fax/Modem line protection fitted as standard up to 3 kVA.
- Eco operating mode that enables energy savings by reaching efficiency of up to 97%.

- Intelligent battery chargers to optimise battery performance.
- Cold start function.
- Overload protection.
- Auto-test at start-up.
- Emergency stop switch initiating a total and immediate shutdown of the UPS.
- Extended backup time version available.
- Accessories : SNMP card, dry contact card, RS 485 card, External Maintenance Bypass (BME1), Isolation transformer, Environment Manager Device.



|                     | Power (VA) | Power (W) | Nb of outlets | Including programmable outlets | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|---------------------|------------|-----------|---------------|--------------------------------|-------------|-----------------------|-------|
| <b>E4 LCD 1000</b>  | 1000 VA    | 800 W     | 4             | 2                              | 13.5        | 220 x 145 x 397       | 65171 |
| <b>E4 LCD 1500</b>  | 1500 VA    | 1200 W    | 4             | 2                              | 14.8        |                       | 65173 |
| <b>E4 LCD 2000</b>  | 2000 VA    | 1600 W    | 8             | 4                              | 26.5        | 318 x 190 x 421       | 65175 |
| <b>E4 LCD 3000</b>  | 3000 VA    | 2400 W    | 6 + terminal  | 3                              | 28.8        |                       | 65177 |
| <b>E4 LCD 5000</b>  | 5000 VA    | 4000 W    | 2 + terminal  | 1                              | 72          |                       | 65179 |
| <b>E4 LCD 6000</b>  | 6000 VA    | 4800 W    | 2 + terminal  | 1                              | 72          | 576 x 250 x 592       | 65181 |
| <b>E4 LCD 10000</b> | 10000VA    | 8000 W    | 2 + terminal  | 1                              | 81          |                       | 65183 |

# E4 LCD TM



Battery extension available



LCD control screen



Remote control software



Three phase /Single phase or single phase /single phase configuration



Redundant parallelizable

## ENERGY CONTROL

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

- On Line Double Conversion Technology.
- Up to three UPS devices can be connected in parallel redundant mode (optional on 30kVA model).
- Available in three phase/ single phase or single phase/single phase configuration.
- Remote control via the Infopower software (or optional SNMP agent).
- Eco operating mode that enables energy savings by reaching efficiency of up to 97%.

- Intelligent battery chargers to optimise battery performance.
- Cold start function.
- Overload protection.
- Auto-test at start-up.
- Emergency stop switch initiating a total and immediate shutdown of the UPS.
- Extended backup time version available.
- Accessories : SNMP card, dry contact card, RS 485 card, Isolation transformer, Environment Device Manager.



|                 | Power (VA) | Power (W) | Nb of outlets | Including programmable output | Weight (kg) | Dimensions (HxWxD) mm | Ref   |
|-----------------|------------|-----------|---------------|-------------------------------|-------------|-----------------------|-------|
| E4 LCD TM 10000 | 10 kVA     | 8000 W    | 2 + terminal  | 1                             | 83          | 576 x 250 x 592       | 65760 |
| E4 LCD TM 15000 | 15 kVA     | 12000 W   | Terminal      | 1                             | 164         | 826 x 250 x 815       | 65761 |
| E4 LCD TM 20000 | 20 kVA     | 16000 W   | Terminal      | 1                             | 164         |                       | 65762 |
| E4 LCD TM 30000 | 30 kVA     | 24000 W   | Terminal      | 1                             | 230         | 1000 x 300 x 815      | 67216 |



Redundant parallelizable (optional)



Three phase/three phase configuration



Remote control software



LCD control screen



Battery extension available

## ENERGY CONTROL

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

- On Line Double Conversion Technology.
- Available in three phase/three phase.
- RS232 and USB communication port and InfoPower software enabling files to be automatically closed remotely to protect PC or IT network data.
- Eco operating mode that enables energy savings by reaching efficiency of up to 97%.
- Long-run models available.
- Options: SNMP card, dry contact card, RS 485 card, Dual input and maintenance bypass, Battery Connector, Isolation transformer



|               | Power (VA) | Power (W) | Nb of outlets | Weight (kg) | Dimensions (HxLxP) mm | Ref   |
|---------------|------------|-----------|---------------|-------------|-----------------------|-------|
| E4 LCD TT 10K | 10000 VA   | 8000 W    | Terminal      | 109         | 826 x 250 x 815       | 67201 |
| E4 LCD TT 15K | 15000 VA   | 12000 W   |               | 164         |                       | 67202 |
| E4 LCD TT 20K | 20000 VA   | 16000 W   |               | 164         |                       | 67203 |
| E4 LCD TT 30K | 30000 VA   | 24000 W   |               | 233,5       | 1000 x 300 x 815      | 67213 |

# E6 LCD-RT Evolution



Backup can be extended\*



LCD control screen



Remote control software



Rack/Tower convertible



Redundant parallelizable\*  
\*See applicable models



- On Line Double Conversion Technology.
- High power factor: 0,9.
- 1 to 3kVA models: 7 to 8 IEC outlets of which 3 to 4 are programmable.
- 5 to 10kVA models: terminal board and up to 3 UPS devices can be connected in parallel redundant mode.
- RS 232 & USB communication ports.
- InfoPower software enabling files to be automatically closed remotely to protect PC or IT network data.
- Cold start function.
- Powerful built-in charger: internal battery charging to 90% in only 4 hours.
- Options: SNMP card, Battery banks, Rack kit, Dry contact card, External Bypass, etc.

|                           | Power (VA) | Power (W) | Nb of outlets | Weight (kg) | Dimensions (HxWxD) mm                           | Ref   |
|---------------------------|------------|-----------|---------------|-------------|---|---|
| E6 LCD RT Evolution 1000  | 1 kVA      | 900 W     | 8             | 12.9        | 88 x 440 x 415 (2U)                             | 67113   |
| E6 LCD RT Evolution 2000  | 2 kVA      | 1800 W    | 8             | 20.6        | 88 x 440 x 515 (2U)                             | 67114   |
| E6 LCD RT Evolution 3000  | 3 kVA      | 2700 W    | 7             | 28          | 88 x 440 x 635 (2U)                             | 67115   |
| E6 LCD RT Evolution 5000  | 5 kVA      | 4500 W    | Terminal      | 20 + 59*    | 133 x 440 x 670 (3U) +<br>133 x 440 x 635 (3U)* | 67119   |
| E6 LCD RT Evolution 6000  | 6 kVA      | 5400 W    |               |             |   | 67120   |
| E6 LCD RT Evolution 8000  | 8 kVA      | 7200 W    |               |             | 23.5 + 65*                                      | 133 x 440 x 745 (3U) +<br>133 x 440 x 635 (3U)* |
| E6 LCD RT Evolution 10000 | 10 kVA     | 9000 W    | 67122         |             |   |   |

\* Battery bank



Adjustable battery numbers



Remote control software



Three phase / Single phase or single phase / single phase configuration



Redundant parallelizable (optional)



- On Line Double Conversion Technology.
- Available in three phase/ single phase or single phase/single phase.
- RS232 and USB communication port and InfoPower software enabling files to be automatically closed remotely to protect PC or IT network data.
- Eco mode operation for energy savings.
- Long-run models available.
- Built-in phase auto adapt function simplifies wire installation.
- Options: SNMP card, RS 485 card, Dry contact card, Rack kit, Parallel installation, Battery banks, External bypass (BMe2 RM TM), Environment Manager Device.



|                         | Power (VA) | Power (W) | Nb of outlets | Weight (kg)                    | Dimensions (HxWxD) mm   | Ref   |
|-------------------------|------------|-----------|---------------|--------------------------------|---|-------|
| <b>E6 LCD TM RM 10K</b> | 10 KVA     | 8000 W    | Terminal      | 22 (UPS) + 65 (battery bank)   | 133 x 440 x 745 (UPS 3U) + 133 x 440 x 635 (battery bank 3U)          | 67127 |
| <b>E6 LCD TM RM 15K</b> | 15 KVA     | 12000 W   |               | 45 (UPS) + 2*65 (battery bank) | 266 x 440 x 745 (UPS 6U) + 2 x (133 x 440 x 635) (2 battery banks 3U) | 67128 |
| <b>E6 LCD TM RM 20K</b> | 20 KVA     | 16000 W   |               |                                |   | 67129 |

# Critical applications, Industrial & Medical environments

Protection and total safety for your industrial hardware that will not be subjected to any power failure



## Your opinion!

*"I installed an M4T 60 kVA in an analytical laboratory to protect a spectrum analyzer, two servers, a centrifuge and an autoclave. The M4T provides a perfect output signal, removes parasites on the electrical network and enables backup time to be adjusted according to the laboratory's actual needs."*

*Bernard, Lille (29)*



# M4<sup>T</sup> Evolution

New:  
Power Factor 0,9

Three/three phase  
configuration

Redundant  
parallelizable

LCD control  
screen

Remote  
control  
software

Extended Backup  
time available

- High Frequency On Line Double Conversion Technology and DSP control providing top-of-the-range protection.
- Three-phase input and output.
- High power factor: 0,9.
- Specific IGBT rectifier with low THDi (<1% at nominal load).
- AFC advanced control to protect even non-linear, highly inductive or capacitive loads.
- High overall efficiency (up to 95%) due to DSP control and the latest generation IGBT switch as well as an optimization of the products' useful life.
- Backup time display available on the LCD screen.
- Up to 4 UPS devices can be connected in parallel redundant mode.
- Batteries are inside from 10 to 40 kVA and the battery bank is apart from 60 to 120 kVA.
- Remote control: DB9 interface (RS 232 or RS 485), SNMP location and Modbus protocol.
- Dry contacts.
- Little floor space required and access via the front panel.
- Independent and smart management of batteries.
- More than 60% of the materials used can be recycled.
- Options: isolation transformer, SNMP agent, temperature, humidity, and smoke detector, alarm feedback, and IP 21 Protection.



|            | Power (VA) | Power (W) | Nb of outlets | Weight w/o battery (kg) | Dimensions (HxWxD) mm | Ref   |
|------------|------------|-----------|---------------|-------------------------|-----------------------|-------|
| M4T E 10K  | 10 kVA     | 9 kW      | Terminal      | 120                     | 1100 x 450 x 700      | 67220 |
| M4T E 15K  | 15 kVA     | 13.5 kW   |               | 120                     |                       | 67221 |
| M4T E 20K  | 20 kVA     | 18 kW     |               | 120                     |                       | 67222 |
| M4T E 30K  | 30 kVA     | 27 kW     |               | 160                     |                       | 67223 |
| M4T E 40K  | 40 kVA     | 36 kW     |               | 160                     |                       | 67224 |
| M4T E 60K  | 60 kVA     | 54 kW     |               | 190                     | 67225                 |       |
| M4T E 80K  | 80 kVA     | 72 kW     |               | 215                     | 67226                 |       |
| M4T E 100K | 100 kVA    | 90 kW     |               | 255                     | 1320 x 590 x 805      | 67227 |
| M4T E 120K | 120 kVA    | 108 kW    |               | 255                     |                       | 67228 |

# External Maintenance Bypass

The solution to ensure continuous power while their maintenance.



## Your opinion!

*«Our society took out several maintenance contracts for our UPS. We may not turn off the UPS during their maintenance. That is why, we chose the External Maintenance Bypass from Infosec (BMe). They keep providing power to our IT stock. This is exactly what we needed !»*

*Anthony, Marseille (13)*



## BMe 1

- Compatible with all UPS from 1 to 3 kVA.
- Available in Tower format or rackmountable 19" (RM).
- Available in FR, IEC, Schuko, UK, NEMA outlets.
- Simple and quick installation.
- NB : **BMe1 in rackmountable version : master-slave function for energy saving.**

## BMe 2

- Compatible with all UPS from 5 kVA.
- Rackmountable version rack 19" (RM).
- Terminal board.
- BMe2 RM : designed for E6 LCD RT Evolution from 5 to 10kVA.
- BMe2 RM TM : designed for E6 LCD TM RM 10kVA.



|                        | Nb of outlets | Weight (kg) | Dimensions (HxWxD) mm | Ref            |       |
|------------------------|---------------|-------------|-----------------------|----------------|-------|
| <b>BMe 1 FR</b>        | 4             | 1,3         | 60 x 200 x 180        | 61441          |       |
| <b>BMe 1 IEC</b>       | 9             |             | 60 x 160 x 180        | 61440          |       |
| <b>BMe 1 SCHUKO</b>    | 4             |             | 60 x 200 x 180        | 61446          |       |
| <b>BMe 1 UK</b>        | 4             |             | 60 x 200 x 180        | 61447          |       |
| <b>BMe 1 NEMA</b>      | 6             |             | 60 x 160 x 180        | 61448          |       |
| <b>BMe 1 FR RM</b>     | 4             | 1,5         | 60 x 440 x 88         | 61443          |       |
| <b>BMe 1 IEC RM</b>    | 6             |             | 60 x 440 x 88         | 61442          |       |
| <b>BMe 1 SCHUKO RM</b> | 4             |             | 60 x 440 x 88         | 61449          |       |
| <b>BMe 1 UK RM</b>     | 4             |             | 60 x 440 x 88         | 61450          |       |
| <b>BMe 1 NEMA RM</b>   | 5             |             | 60 x 440 x 88         | 61451          |       |
| <b>BMe 2 RM</b>        | Terminal      |             | 3                     | 88 x 440 x 165 | 61444 |
| <b>BMe 2 RM TM</b>     |               |             |                       | 88 x 440 x 198 | 61445 |

# Renewables energies

Solutions to product and consume a greener energy and/or supply energy in mobile or isolated sites



## Your opinion!

*"Private individuals expect that an installer's advice and choice of hardware ensure the best possible efficiency. Renewables energies offer nowadays performing solutions whatever the context is : main house connected to electrical communication or isolated sites."*

*Ben, Nantes (44)*

INFOSEC



LCD control screen



High overall efficiency (96%)



Pure sinewave current



- “On Grid” PV Inverter for a residential photovoltaic installation.
- Advanced DSP control technology delivers accurate data.
- Up to 96% high conversion efficiency.
- Modulized design for easy maintenance.
- Industrial-grade components used for robust operation.

- IP 65 protection for outdoor and harsh environment.
- LCD screen and USB communication port.
- Warranty extension up to 25 years.
- Data log up to 15 years.
- Options : communication cards Modbus & SNMP



|                   | Rated power | Max. power | Tracker MPP | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|-------------------|-------------|------------|-------------|-------------|-----------------------|-------|
| P2 SunShine 2000  | 2 kVA       | 2200 W     | 1           | 11.5        | 410 x 268.5 x 136.5   | 63308 |
| P2 SunShine 3000  | 3 kVA       | 3300 W     | 1           | 15          | 460 x 270 x 160       | 63305 |
| P2 SunShine 5000  | 5kVA        | 5000 W     | 2           | 20          | 515 x 308 x 182       | 63307 |
| P2 SunShine 10000 | 10 kVA      | 11000 W    | 2           | 40          | 653.3 x 503.5 x 171.2 | 63309 |

# C2 Nomad Combo



LCD control screen



Pure sinewave current



High overall efficiency (93%)



- C2 Nomad Combo is an inverter with an integrated charger : a perfect solution to provide electric independence to extreme areas such as boats, isolated areas, and motorhomes.
- It accepts several types of supply : general utility, generator and photovoltaic panel.
- C2 Nomad Combo charges batteries and provide 230V to common household appliances.
- Compatible with Inductive loads : motor, airconditioner, micro-wave, TV, Fluorescent lamp.
- For maximum safety and reliability in all circumstances, C2 Combo Nomad is

equipped with multiple protections against overloads, overheating, short circuits and reverse polarity.

- AC/Solar input and output source priority. Depending on the environment, this setting maximize C2 Nomad Combo performances.
- the global efficiency is between 90 and 93%.
- Cold start feature if no power supply.
- UPS automatic restart when mains power is restored.
- LCD screen and a simple control panel on the front.
- Parallel operation with up to 4 units only available for 4KVA/5KVA (option).

|                     | Power   | Power factor | Weight (kg) | Dimensions (HxWxD) mm | Ref   |
|---------------------|---------|--------------|-------------|-----------------------|-------|
| C2 Nomad Combo 1000 | 1000 VA | 0,8          | 5           | 316 x 240 x 95        | 63205 |
| C2 Nomad Combo 2000 | 2000 VA | 0,8          | 6,35        | 355 x 272 x 100       | 63206 |
| C2 Nomad Combo 3000 | 3000 VA | 0,8          | 6,85        |                       | 63207 |
| C2 Nomad Combo 4000 | 4000 VA | 0,8          | 10          | 468 x 295 x 120       | 63208 |
| C2 Nomad Combo 5000 | 5000 VA | 0,8          | 10          |                       | 63209 |

# Applications & typical configurations



## Examples of use



- **Nautical environment** : The installation of C2 on board will allow you to use any type of electrical equipment possible: fridge, microwave, DVD player, hairdryer, etc.
- **Remote locations and camper vans** : Some locations are not well connected to utilities and power is not always available. C2 Nomad Combo provide power wisely. The user only have to calculate the total load and the needed backup time.
- **Inductive loads** : the C2 Combo Nomad provides a reliable and effective solution. For example, an engine installed in an inaccessible area can work normally.
- **Medical environment** : pharmacist needs to guarantee power supply of a refrigerator containing vaccines and medicines in case of power failure for 48 hours. The C2 Combo Nomad will be the most flexible and economical solution as the number and type of batteries are adjustable. In addition, it is possible to combine a solar panel to increase backup time.

## Typical configurations

- **Load 750W - Backup time 5H :**
  - C2 Nomad Combo 1000 VA
  - 4 batteries (12V, 100 Ah)
  - Option : 3 solar panels 85W
- **Load 2000W - Backup time 2H30 :**
  - C2 Nomad Combo 3000 VA
  - 6 batteries (12V, 100 Ah)
  - Option : 2 solar panels 260W

# Voltage regulator

Protection of electronic and audiovisual equipment



## Your opinion!

*"I live in a rural area and my electronic and audio/video devices are subjected to voltage dips and spikes. To extend their useful life, I use an automatic, compact and efficient voltage regulator. "*

*Pierre, Pointe-à-Pitre (971)*





PC & Mac



Home appliance



2 French outlets



Tel./ADSL line protection



- High and low adjustment of input voltage.
- It allows two devices to be connected and protected simultaneously (multimedia & electronic appliances).

- 2 French outlets that ensure efficient protection from short circuits, voltage fluctuations and overloads.
- Fitted with telephone protection (RJ11).
- Compact and sturdy design.

|         | Power (VA) | Cos Phi | Nb of outlets | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|---------|------------|---------|---------------|-------------|-----------------------|-------|
| R1 600  | 600 VA     | 0.5     | 2             | 1.4         | 113 x 115 x 192       | 63121 |
| R1 1200 | 1200 VA    | 0.5     | 2             | 1.6         |                       | 63122 |
| R1 2000 | 2000 VA    | 0.5     | 2             | 2           |                       | 63123 |

# R3



PC & Mac



LCD screen



1 to 2 Universal outlets



- Wide range of input voltage.
- 3 levels of regulation : 2 “boost” mode and 1 “buck mode”.
- 1 to 2 Universal outlets that is suitable for most countries

and ensure efficient protection from short circuits, voltage fluctuations and overloads.

- Delay time function
- Practical and compact design.

|         | Power (VA) | Cos Phi | Nb of outlets | Weight (kg) | Dimensions (HxWxD) mm | REF   |
|---------|------------|---------|---------------|-------------|-----------------------|-------|
| R3 500  | 500 VA     | 0.8     | 1             | 2,4         | 123,5 x 110 x 196,8   | 63133 |
| R3 1000 | 1000 VA    | 0.8     | 1             | 4           |                       | 63134 |
| R3 1500 | 1500 VA    | 0.8     | 2             | 5.4         | 181 x 134 x 233,6     | 63135 |
| R3 2000 | 2000 VA    | 0.8     | 2             | 6,6         |                       | 63136 |
| R3 3000 | 3000 VA    | 0.8     | 1             | 9           | 199 x 150 x 297,1     | 63137 |

# Don't miss **Infosec** surge protectors energy savers !



## ⊙ SURGE PROTECTORS

to protect and extend the useful life of equipment dedicated to the IT and TV environment.

## ⊙ ENERGY SAVERS

Sleep mode-switch off power outlets to protect and save up to €80 a year on the electricity bill!



DONT WASTE YOUR ENERGY TO MAKE SAVINGS ANYMORE!

Make energy savings of  
up to **€80**  
on your electricity bill.



L'Énergie Sans Limite !  
Safe Energy for Life !



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