

INNOVATIVE, **MULTI-SECTOR POWER PROTECTION SOLUTIONS**

RIELLO ELETTRONICA

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Retail
Ho.Re.Ca.
GDO
Logistic & Transport

For sectors such as Retail, Ho.Re.Ca. (Hospitality), the GDO, and logistics it is essential to **guarantee electrical continuity** and at the same time **deliver efficiency and related energy cost savings**.
For this reason it has become necessary to protect the electronic devices and IT equipment that manage the digital payments, smart services offered to hotel guests, and all the processes and transactions of a point of sale or a logistic and transport network.
The brand IT managers of all these commercial sectors need **solutions that allow them to obtain the full control on infrastructures and to reply quickly when it is necessary.**

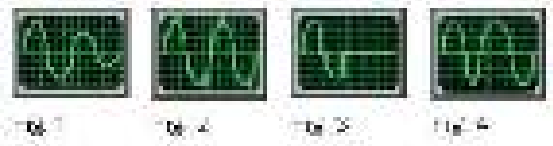
In Riello UPS we can help you to guarantee continuity to your processes and workflows in case of any interruption to your internet connectivity. Thanks to our extensive portfolio of products and innovative solutions, we answer immediately to your needs offering efficency and economic savings.





Blackouts don’t just happen to competition

For the operation of any electric equipment it is essential to ensure a flow of quality energy. Unfortunally the electric network is subject to many types of problems, including variations in voltage (Fig.1), distortions of the wave shape (Fig.2), interruptions (Fig.3), and frequency changes (Fig.4) that may give rise to a blackout. The consequences of such incidents include production interruptions and data losses, and in the worse case, they may cause equipment damage.
Being equipped with an uninterruptible **power supply (UPS) can “protect us” in all those situations in which the electricity grid is unstable, especially after having invested hundreds**, if not thousands of euros in IT equipment, which facilitate our work and improve the experience of our customers.



For example, due to some power surge, or an unexpected blackout the computer you are using or all the other peripherals connected to it (systems for managing invoices, orders, DDT, booking delivery slots, etc.), could get damaged beyond repair.

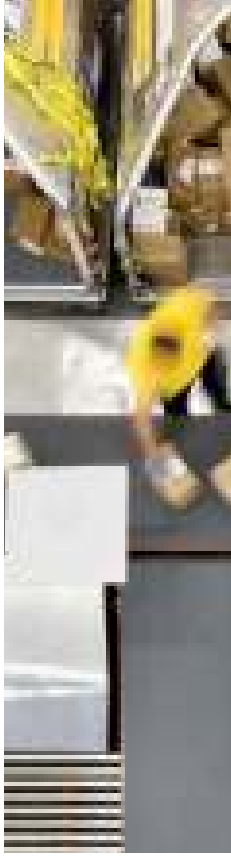
For example, think of being at the checkout of a shop or supermarket and being involved in the unavailability of the data network. Can you imagine the situation? How could you feel? It would obviously create lines at the checkout, you could be forced to withdraw money from the ATM machine and return to pay with cash, at the end you would quit the shopping cart, thinking about the disservice and the time lost. What is the result for the point of sale? Customer’s frustration, loss of trust, drop of brand reputation and economic losses in sales.

In all these situations **the UPS’s autonomy is enough to guarantee the continuity of service for as long as necessary to the correct closings procedures, safeguarding data and without causing damage to the hardware.**

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Activities run smoothly with a smooth process. **The business does not stop!**

Everyday business operations generate huge volumes of data and information according to the sector to which they belong: orders, tickets, bills of delivery, shipping labels and payments, etc.
Riello UPS offers complete solutions for the protection of electric energy which are reliable and easy to use and able to avoid the expencive interruptions that may compromise the revenues from sales.

The ADVANTAGES of focusing on Riello UPS solutions

- **Business's continuity** guaranted;
- **Reduction in operating costs**;
- Can always count **on the latest technology**;
- **More than twenty years experience** and knowledge of the product;
- **Widespread presence** thanks to operations **in several national territories**;
- Highest control thanks to optimized performance and efficiency with maintenance or through the site for monitoring **Riello Connect**.







How to choose the most suitable UPS to protect your business?

1

Identification of hardware components which generate/ switch dates and information.

2

Assessment of their possible vulnerability (critical load) according to the fact that they could be powered by mains voltage perturbed or blackout subjects.

3

Calculation of the overall consumption of the devices that must be connected to the UPS.

4

Estimation of the autonomy you need, which depends on the size of the battery and how many devices will go connected to the output to the UPS.

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Proper protection of the hardware

For critical loads between **350** and **400 W**



GDO

- Fast lane cash;
- Scanner;
- Cash point with innovative POS systems;
- CTM - Cash Tender Module (system that prevents the cashier from touching the money);
- Barcode reader of products for customer self-scanning;
- Keyboard or touchscreen for the customer's self-service.



HOSPITALITY

- Kitchen monitor;
- ALL IN ONE light and pc-based solutions for the cash point;
- Kiosks and structures with usually touchscreen displays for placing the order independently;
- Cash point with innovative POS systems;
- Monitor for booking and services management;
- Printers for the orders;
- Wi-fi, Hot Spot Gateway, Access Point Wireless networks to complete the IT structures.



RETAIL

- ALL IN ONE PC-based solutions for the cash point and various peripherals such as displays, scanners and tax printers;
- Workstations with barcode readers for in-store data acquisition.



TRANSPORTS & LOGISTIC

- Scanner stations for reading and managing barcodes, RFID tags and RMA labels (picking);
- Mobile scanner stations for inventory management;
- Vision systems and intelligent cameras;
- Automatic sorting systems.

Riello UPS products

IPLUG (IPG)



- Offline technology (VFD);
- Robust and compact design;
- Total quietness;
- Schuko power sockets;
- Auto Restart function;
- Low energy consumption;
- User replaceable batteries;
- Maximum reliability in the protection of PC workstations thanks to the Powershield³ shutdown software.

1:1 600-800 VA

VFD TYPE — UPS **VFD**

Tower

USB — **USB** plug

GS Nemko certified

P&P — **Plug & Play** installation

IDIALOG (IDG)



- Offline technology (VFD);
- Ergonomic and compact design;
- Total quietness;
- Auto Restart function;
- Low energy consumption;
- Maximum reliability in the protection of PC workstations thanks to the Powershield³ shutdown software.

1:1 400-1600 VA

VFD TYPE — UPS **VFD**

Tower

USB — **USB** plug

P&P — **Plug & Play** installation

NET POWER (NPW)

1:1 600-2000 VA



- Line Interactive technology (VI);
- Pseudosinusoidal wave in battery operation;
- Automatic voltage regulation (AVR);
- Auto Restart function;
- Cold Start function;
- Automatic battery test;
- Maximum reliability in the protection of PC workstations thanks to the Powershield[3] shutdown software[3].

VI TYPE LINE **INTERACTIVE**

Tower

USB **USB** plug

P&P **Plug & Play** installation

VISION (VST)

1:1 800-2000 VA



- Line Interactive technology (VI);
- Pseudosinusoidal wave in battery operation;
- Automatic voltage regulation (AVR);
- Auto Restart function;
- Cold Start function;
- Display LCD;
- Automatic battery test;
- Replaceable batteries without shutting down the load;
- Network connection capability (optional card);
- Maximum reliability in the protection of PC workstations thanks to the Powershield[3] shutdown software[3].

VI TYPE LINE **INTERACTIVE**

Tower

USB **USB** plug

GS **GS Nemko** certified

P&P **Plug & Play** installation

Hot swap battery



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A complete approach to the security of your business



FUNCTIONALITY

- **Protect data and information generated from your activity,** as well as the hardware that generates them.
- **Prevent, detect and reply to any stability problems** and the quality of the electricity network.
- With the **PowerShield³** software you can easily shut down the system thanks to advanced monitoring and diagnostics.

PHYSICAL AND TECHNICAL CHARACTERISTICS

- **Low noise** to reduce unwanted distractions in the workplace.
- **Small footprint.**The compact shape makes them ideal to be placed in any environment.



Efficient, reliable and sustainable UPS

SUSTAINABILITY

In Riello UPS, our goal is protect and make better our earth in partnership with our suppliers and customers. Our philosophy is: ”Reliable power for a sustainable world”.

In our business we integrate ethical and sustainable practices into everything we do, taking responsibility for our actions while making improvements where and when possible.

How do we make our business as sustainable as possible:

- Huge attention is given to the evolution of the electric grid, in particular to the use of renewable energy sources: the Riello UPS offer incorporates not only traditional and Smart Grid Ready UPS, but also photovoltaic inverters and Energy Storage Systems (ESS).
- All the ON LINE Riello UPS product portfolio from 1 kVA upwards, is fully compliant with the Elite classification of the Code of Conduct (CoC) for the energy efficiency of UPS (2021-2023), published by CEMEP and agreed with the Joint Research Center of the European Commission. Compared to standard UPS, Riello UPS solutions are more efficient, with energy saving that allows a fast return on investment and a significant reduction in carbon dioxide emissions’ therefore helping the atmosphere.
- Paying close attention to the use of low environmental impact materials from the initial design development and testing stage through to the final release of products into the market.
- Employing an environmental management system that is ISO 14001 certified.

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