

New Multi Power Combo Cabinet 75kW by Riello UPS: maximum flexibility, minimum footprint and high power density.

*The Italian company presents the new Combo Cabinet for Multi Power range,
ideal for medium power applications, such as IOT and EDGE computing applications.*

Legnago, 30 March 2021. Riello UPS, a brand of the Riello Elettronica group, a world player in the production of static uninterruptible power supplies, photovoltaic inverters and Energy Storage systems, expands the family of modular Multi Power UPS (MPW-MPX), designed to protect Data Centers and critical applications, with the **new 75kW Combo Cabinet (MPX 75 CBC)**.

This new Multi Power model, which can accommodate 3 modules of 15 kW or 25 kW (the modules must be of the same power), is the ideal solution for IoT and EDGE computing applications, where the load is not excessively high, but space is at a premium.

The Multi Power range therefore becomes even more flexible and able to meet any stringent requirement for mission-critical applications. The latest cabinet combination has been created as the perfect modular solution for all small to medium power applications, where capital costs (CapEx) most influence the choice between a modular or monolithic UPS.

This highly cost-effective and efficient solution guarantees UPS redundancy (MPX 75 CBC is optimized for 1 + 1 or 2 + 1 redundant systems) and battery autonomy in an extremely compact footprint, while preserving all the advantages of the modular architecture such as scalability and ease of maintenance.

In fact, Multi Power MPX 75 CBC allows the connection / disconnection of the Power Modules and Battery Units (BU) while the system is running, as well as the hot-swap of all the elements of the system, making maintenance and replacement of the main components of the system easy.

In the event that the load is unchanged with respect to the initial configuration, but more autonomy is required, it is possible to add additional battery cabinets (Battery Cabinet - BTC), while if additional power is required, the user can decide to add an additional Combo Parallel cabinet: in this way the system is completely scalable and resilient to any type of horizontal or vertical expansion of the system.

Other strengths of the new Multi Power MPX 75 CBC are the high efficiency of the system, up to 96.5% in ON LINE mode with double conversion, and greater than 95% at just 20% of the load. It also guarantees unity power factor and has an extremely wide operating voltage range (+ 20 / -40%), which facilitates the sizing of the upstream power supply.

This excellent performance guarantees extremely low losses at any load level, maintaining a truly modular solution for any UPS environment subject to variations in power demand.

Advanced technology and custom designed components

During the design phase of the MPX Power Modules, it was decided to use reliable and state-of-the-art components and technologies in order to ensure maximum performance, energy availability and power.

To maximize the performance and efficiency of Multi Power, the Riello UPS Research and Development center has chosen to specifically design certain power components, including IGBT modules: the Power Modules themselves use the "wireless power principle.", thanks to which the interconnection distances between boards, power components and connectors are extremely optimized. In this way, power losses are minimized, the overall efficiency of the system is increased, the risk of power supply discontinuity is avoided and the average repair time (MTTR) also benefits.

Information about Riello UPS

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Riello UPS is the brand of uninterruptible power supplies for Data Centres, offices, electromedical applications, security and emergency equipment, industrial complexes, and communication systems, designed and produced by RPS S.p.A., a company based in Italy and part of the Riello Elettronica Group. With the Riello UPS brand, RPS S.p.A. is the industry leader in Italy and firmly placed among the top five companies in the world in technological research, production, sales, and assistance. The pursuit of quality, the optimization of resources and a strong drive towards technological innovation, together with seriousness, consistency, and experience, make RPS S.p.A. a company able to meet the needs of a fast-growing market. RPS S.p.A. has two production sites in Italy, 16 subsidiaries placed between Europe, the United States, the United Arab Emirates, China, India, Singapore, Vietnam and Australia, and a presence in over 85 countries worldwide, that offers a very high level of customer service.

For additional information about the company and its products visit www.riello-ups.com

Information about Riello Elettronica

Established and successfully led by Pierantonio Riello in 1986, Riello Elettronica is the holding company of a group of businesses operating in sectors with high technological expertise. Energy represents the core business of the group (design, production, sale, and assistance of UPS and photovoltaic inverters) with the brands Riello UPS and Riello Solartech. This is complemented with work in the Automation and Security areas with the AVS and Cardin brands. The group has seven production sites, 30 subsidiaries in Europe, United States, United Arab Emirates, China, India, Singapore, Vietnam and Australia, and a presence in over 85 countries worldwide that offers a very high level of customer service.

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