

Greater power availability with the new Riello UPS Sentryum models from 60 to 120 kVA

Designed and manufactured with state-of-the-art technologies and components, the new sizes implement advanced solutions such as dual core DSP microprocessors, three-level inverter circuits and resonant control to guarantee maximum protection for all critical loads

Legnago, 28 June 2023. - Riello UPS, a brand of the Riello Elettronica group, a major player in the production of uninterruptible power supplies and photovoltaic inverters, is pleased to announce the expansion of the Sentryum range with the introduction of new models of 60, 80, 100 and 120kVA.

Featuring three-phase input and output, unity rated power factor, and VFI-SS-111 compliant online double conversion technology, these new sizes complement the existing 10 to 40 kVA lineup.

Designed and manufactured with latest generation technologies and components, the Sentryum models are equipped with DSP (Digital Signal Processor) dual core microprocessors, three-level inverter circuits and resonant control.

These features ensure maximum protection of critical loads, minimizing the impact on underlying systems and optimizing energy efficiency.

Sentryum proves to be the ideal solution for installations where the availability of power from the mains is limited, when the UPS is supported by a generator or in the presence of loads that generate harmonic currents.

Thanks to its control system, the UPS allows the output harmonic voltage distortion to be reduced to values below 1% with linear resistive loads and below 1.5% with non-linear loads.

This ensures a quick response to load variations, and a perfectly sinusoidal voltage under any condition.

The distributed parallel configuration allows you to connect up to 8 units for a redundant (N+1) or capacity parallel system, offering exceptional expandability. The UPS continue to operate in parallel even if the connection cable is interrupted (Closed Loop).

Sentryum models have been subjected to seismic tests certified by accredited External Laboratories, guaranteeing their compatibility with systems that require seismic compliance in accordance with ICC ES AC156 (2020).



All models are also equipped with the Smart Battery Management system, which offers a series of functions for managing and optimizing the batteries to ensure optimal performance and extend their operational life. They support sealed lead-acid (VRLA), AGM and GEL batteries, open pot batteries, nickel-cadmium batteries, as well as alternative backup energy sources such as Li-Ion batteries and super capacitors. Their availability of charging current up to 30 amps makes them suitable for applications requiring extended battery autonomy.

Sentryum is equipped with a color touch screen display that allows you to easily and quickly view all information about the UPS.

"With the new Sentryum models, designed with the most advanced technologies and components, we are able to provide high quality power continuity solutions, adaptable to the various customer needs, ensuring reliable performance, protection of critical loads and significant energy savings.", said **Luigi Ferrari, Product Manager of Riello UPS.**

Information about Riello UPS

Riello UPS is the brand of uninterruptible power supplies for Data Centres, electromedical applications, security and emergency equipment, industrial processes, and communication systems, designed and produced by RPS S.p.A., a company based in Italy and part of the Riello Elettronica Group. 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, 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 and 30 subsidiaries.

For additional information about the group visit www.riello-elettronica.com

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