

Riello UPS expands its range of CPS for powering security and emergency services.

*CSS Sentryum and CSS Sentinel Tower, new single-phase and three-phase CPS series
for centralized power supply systems compliant with EN 50171.*

Legnago, 19 January 2021. Riello UPS, a brand of the Riello Elettronica group, a global player among the top five companies in the world in the production of uninterruptible power supplies (UPS), **announces the expansion of its range of CPS (Central Power Supply - Centralized Power Systems) with the addition of the CSS Sentryum and CSS Sentinel Tower series.**

Designed to guarantee power supply to safety and emergency systems in the event of a power failure, they are the ideal solution for installations where **compliance with EN 50171** is required, i.e. applications where it is necessary to use a CPS system instead of a UPS such as:

- Lighting and safety signaling systems;
- Automatic fire-fighting systems;
- Installations for the extraction of fumes and the presence of CO₂;
- Special safety systems for buildings in high risk areas.



Riello UPS CPS solutions maintain all the features and performance of UPS systems, whilst also guaranteeing reduced charging times and a continuous overload capacity of up to 120%. They are also equipped with high-performance batteries with an expected life of at least 10 years, a mechanical structure compliant to the EN 60598-1 standard, protection against battery inversion (incorrect connection) and the possibility of operating in all the ways provided for by the standard.

CSS Sentryum and CSS Sentinel Tower both incorporate a “Smart Battery Management” control system, which allows you to manage and monitor the batteries, maximizing their performance and life cycle.

CSS Sentryum is available in 6/20 kVA/kW three-phase-single-phase/single-phase and 10/20 kVA/kW three-phase/three-phase models. It offers overall efficiency up to 96.5% in ON LINE mode thanks to the three-level IGBT inverter and the innovative digital control.



Developed using advanced technologies, state-of-the-art components and cutting-edge design design have made it possible to produce a product:

- which is extremely compact and offering high power density
- capable of holding up to 3 strings of batteries ensuring long autonomy without resorting to the use of additional external battery cabinets
- which requires a simplified service activity

CSS Sentryum is equipped as standard with dual input, separate entrance for the emergency network, which allows users to carry out the mandatory periodic checks of system functionality and autonomy with the utmost simplicity and safety.

Parallel redundant installation further increases the reliability and availability of the system, with parallel operation guaranteed even in the event of interruption of one of the signal cables thanks to a Closed Loop connection.

The CSS Sentryum features a color touch screen display that allows simplified and intuitive access to all the information and parameters of the solution.

CSS Sentinel Tower is available in 3000 and 5000 VA / W models with single-phase input and output. It is made with state-of-the-art technologies and components and designed with three-level inverter circuits that ensure both maximum protection of critical loads and optimum operating efficiency. CSS Sentinel Tower is equipped with the latest generation ON LINE double conversion technology and is classified as VFI-SS-111 according to the IEC EN 62040-3 standard.

The CSS Sentinel Tower models integrate as standard an interface with 4 clean contacts already preconfigured as indicated by the EN 50171 standard relating to emergency systems.



Information about Riello UPS

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.

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

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