

Riello UPS launches the new Sentryum S3U 10-30kVA @ 208V. UL/CSA listed

With this certification, Riello UPS wants to highlight its capacity to meet the expectations of a global market and strict specifications of protection of the power supply of mission critical applications.

Legnago, xx xxx 2019. Riello UPS, brand of the Riello Elettronica group, a global player in the production of static uninterruptible power supplies, photovoltaic inverters and Energy Storage systems, presents the new **Sentryum S3U UL/CSA listed**, the range of double-insulated UPS oriented above all to the US market, which offers the best combination of power availability, energy efficiency and global performance, ensuring installation and management cost savings.

The Sentryum series S3U consists of transformer-free UPS with three-phase input and output and available in sizes 10-20-30 kVA.

The development of Sentryum S3U fully reflects the philosophy and constant commitment of Riello UPS, which in the design phase chooses a "Green Technology" approach to reduce dissipation and energy losses (eg lower emissions of anhydride carbon to generate electricity), improving overall efficiency performance; all this is achieved by using state-of-the-art technologies and components such as the DSP (Digital Signal Processor), a dual core microprocessor, a three-level IGBT inverter and resonant control. Sentryum S3U is equipped with a single control system that allows it to reduce the distortion of the harmonic voltage at the output to non-linear load and to provide a rapid response to all load variations, guaranteeing an exceptional sinusoidal waveform in all conditions.

Wide range of possibilities

Riello UPS offers Sentryum S3U in two configurations with or without separate bypass:

- the S3U model with a single switch without a separate bypass
- the S3U SW model with four switches, with separate bypass.

High efficiency

Sentryum S3U is a double-conversion ON LINE UPS that provides unrivaled energy availability levels and up to 95.5% energy efficiency with optimal performance for any small Data Centre and "mission-critical" applications.

Riello UPS's advanced digital PFC control together with advanced ultra-high frequency (18 kHz) NPC inverters contribute to minimizing the impact of the UPS on the network and thus reducing overall operating costs (OpEx) and consequently energy costs.



Very high energy availability

Sentryum S3U has been designed to offer full power up to an ambient temperature of 40 ° C and a high overload capacity of 110% for 60 minutes, 125% for 10 minutes and 150% for 1 minute.

Flexibility

Sentryum S3U, thanks to the available models and the multiple configurations offering a wide range of accessories and options, is suitable for a wide range of applications.

The following are some operating modes of the range:

- operating modes: ON LINE, ECO, SMART ACTIVE e STANDBY OFF
- frequency converter mode
- Cold Start to switch on the UPS even when there is no mains power presence
- parallel configuration up to 8 units
- possibility to add a temperature sensor (optional) for external battery box, to assist recharge voltage compensation
- high power battery charger to optimize charging times in case of long runtimes
- double incoming mains power supply

Information about Riello UPS

Riello UPS is the brand of uninterruptible power supplies for Data Centres, offices, electromedical environments, security and emergency equipment, industrial complexes and communication systems, designed and produced by RPS SpA, 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 5 companies in the world in technological research, production, sales and assistance. The pursuit of quality, the optimization of resources and a strong push towards technological innovation, together with seriousness, consistency and experience, make RPS S.p.A. a company able to meet the needs of a booming market. RPS S.p.A. has two production sites in Italy, sixteen subsidiaries in Europe, the United States, the United Arab Emirates, China, India, Singapore, and Australia, and a presence in over 80 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

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