

Riello UPS on track with Audi Sport in the 2021 Formula E World Championship

Riello UPS and Team Audi Sport ABT Schaeffler: intelligent energy management and green philosophy.

Legnago, 04 March 2021. Riello UPS, a brand of the Riello Elettronica group, world player in the production of uninterruptible power supplies (UPS), photovoltaic inverters and "Energy Storage" systems is pleased to announce it has renewed its partnership agreement with the Audi Sport ABT Schaeffler Team for the upcoming 2021 FIA Formula E championship.

The seventh season starts on February 26 with the first of two Diriyah E-Prix races in Saudi Arabia; from this year the competition becomes an official "World Championship", approved by the FIA.

The innovative Audi e-tron FE07 single-seater cars are designed to reach 95% overall efficiency (and up to 97% for the powertrain) and are capable of 0-100 in just 2.8 seconds. For the coming season, the Riello UPS logo will appear on the front wings of the cars, as well as on the overalls of drivers **Lucas Di Grassi** and **Rene Rast**.



The energy storage of the FE07 is based on a lithium battery with a capacity of 52 kWh and a weight of 385 kg, rechargeable in 45 minutes, and is able to recover energy in the release and braking phases, recharging up to 40% of the initial capacity during a race

The transfer of cutting-edge technologies from Formula E to "full electric" cars for everyday use is already a reality, and the increasing investment by large energy distribution operators for the spread of charging infrastructures allows these cars to offer themselves as the protagonist of future mobility. Thanks to their specific characteristics, lithium batteries are the ideal solution when an intensive use of energy charge and discharge cycles is required.

Riello UPS is strongly convinced that to be truly sustainable, electric propulsion must be associated with the use of renewable energy; it has therefore taken the union of the two concepts as a motivating challenge for its commitment to respecting the environment and proposes innovative solutions aimed at this purpose.

Riello UPS has always been oriented towards intelligent energy management, which it has developed with its range of uninterruptible power supplies that are increasingly able to perform – and actually already performing – tasks that go beyond power protection, interacting with the electricity network, with applications ranging from the reduction of load peaks, to supporting the network in moments of maximum consumption (the famous "smart grid").

Riello UPS has recently expanded its capabilities in this area, introducing the possibility of energy storage through the innovative and exclusive Hybrid Battery Storage (HBS) system, which exploits the characteristics of lithium batteries to achieve effective integration with renewable energy, despite their intermittent nature. The HBS allows a varied and balanced management of the power supply, coming either from different external sources (electricity grid or other sources from sustainable generation systems) or from the stored energy, managing at the same time the recharging of the batteries in moments where there is plenty of inbound availability.

The HBS system finds an ideal application for charging electric cars, as on the one hand it allows the desired integration with renewable sources, while on the other hand it allows fast vehicle charging without overloading the network, taking the high absorption cues from the accumulated energy.

Furthermore, thanks to the Riello Solartech brand, which is dedicated to the range of single-phase photovoltaic inverters from 1.5 to 6.0 kW for the residential sector and from 6 to 800 kW for the commercial and industrial sector, the Verona-based company is at the forefront of the industry, with its own technological excellence offering high performance and more efficient and optimal management of photovoltaic energy.

Electric mobility is the future of the car and for this reason Riello UPS continues its partnership with Audi with enthusiasm. Where there is a technological challenge through innovation, sustainability, excellence, and reliability, Riello UPS is present, always remaining faithful to its green philosophy of "Reliable Power for a Sustainable World".

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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