

Socomec Green Power 2.0 – the very latest development in future-proof, energy efficient critical power.

Benfeld, April, 3rd 2012

Socomec, independent French UPS manufacturer, reinforces its market-leading position with the launch of the new Green Power 2.0 UPS developed in response to evolving customer needs

As datacentres' volume of data traffic grows, driven by increased web usage and advances in cloud computing, organizations need to ensure that their UPS equipment is fully compatible with the latest developments in server architecture. Socomec's new Green Power (GP) 2.0 UPS range - available from 10 kW to 400 kW - has been developed to meet the increasingly demanding needs of datacentre operators and to directly address major concerns including fast return on investment, future-proof design, guaranteed 24/7 uptime, environmentally friendly solutions and premium support services.

With a true unity output power factor (PF=1) the GP 2.0 provides users with full-rated power (kW = kVA) supporting full loads up to 35 °C in accordance with IEC 62040-3 - with 25% more power compared to UPS with PF = 0.8 and 11% more power compared to UPS with PF = 0.9.

The unity power factor has the added benefit of enabling the GP 2.0 to deliver more power from the same sized cabinet. Providing the highest power densities available in the industry - up to 358 kW/m² - the GP2.0 is as efficient on space as it is on energy.

Thanks to the Socomec's three level topology, first introduced to the market in 2008, Green Power 2.0 provides unbeatable energy efficiency - independently verified at 96% in VFI mode by TÜV SÜD and Bureau Veritas. Green Power 2.0's VFI double conversion mode ensures total load protection for mission critical applications, minimizing risk and maximizing availability. In VFD mode, up to 99% efficiency can be achieved with the new Fast EcoMode solution capable of transferring the load on inverter in less than 2 milliseconds in case of mains failure.

With unity power factor and the highest total efficiency on the market, energy savings will be up to 50% compared to legacy UPS, thus enabling Green Power 2.0 to dramatically reduce Total Cost of Ownership.

With a front-end IGBT rectifier, the Green Power 2.0 optimizes upstream infrastructure without overrating upstream transformers, generators and related distribution.

The Socomec Green Power 2.0 will future-proof your critical power supply. As modern server design improves and approaches unity power factor at all loads, there is no need to upgrade the supporting critical power systems. Furthermore, Socomec's GP2.0 already fulfills current and future European Code of Conduct for Data Centre regulations to 2014. In addition, Green Power 2.0 can support leading power factor loads such as Blade Servers down to 0.9 without power de-rating.

Thanks to Socomec's depth of understanding of the market, its customers and their specific needs, an intuitive "wizard" has been developed to interactively support UPS commissioning for the ultimate in ease, safety and reliability.

As a market-leading European manufacturer with significant R&D capability and a global network of specialist engineers, Socomec can provide a range of bespoke, turnkey solutions for the most demanding critical power applications. Renato Fratta, UPS Division Managing Director said, "Within Socomec, our major strength is the ability to introduce innovation in order to ensure that our solutions evolve continuously in line with Data Centre technologies and become tomorrow's market references"

At the cutting edge of static UPS technology, Green Power 2.0 is the very latest development in future-proof, energy efficient critical power.

Company Profile

SOCOMEC Group is an independent manufacturer specializing in the distribution, control and quality of power supplies serving low-voltage electrical networks, industry and the services sector.

Created in 1922, the industrial group has developed two business areas: Solutions for control and power (Load break switches for controlling machines or power distribution, complete solutions for energy management and monitoring, etc.) and UPS (uninterruptible power systems), static transfer systems (STS), rectifiers-battery chargers, harmonic filters).

With 23 subsidiaries throughout the world, 9 industrial sites (France, Italy, Tunisia, India and China) and a 383 million turnover, SOCOMEC combines technological innovation and technical know-how with high-quality pre- and post- sales services.

SOCOMEC UPS, part of the group, is a leading company in the business continuity sector. It is the ultimate representative in terms of the following applications: ICT, Data Centres, Healthcare, Transport, Industry, Commerce, Public Administration and Finance, devising efficient, reliable and scalable solutions.

SOCOMEC-branded UPS systems offer high performance levels and save a considerable amount of energy. The company observes the European Commission's Code of Conduct by adopting its best practices while participating in the UN Global Compact initiative; it has also signed up to the Green Grid association.

For further information: www.socomec.com

Socomec's Green Power 2.0

