

Skeleton Technologies launches the megawatt second market for UPS

EES Europe, Munich, Germany, 20th of June 2018. Skeleton Technologies, the global technology leader in ultracapacitors, has launched SkelGrid Omni to reduce the billions worth damages from short-term power outages occurred every year by power consumers.

According to Allianz, Short-term power outages account for more than 100bn USD in damages every year in the US. This problem has been overlooked since the short-term power outages are not covered by grid codes. Conventional UPS solutions try to solve the problem by proposing battery-based equipment, which is measured in kWh.

However, to prevent short-term power outages, businesses do not need kilowatts for hours, but in many cases, they really need megawatts for a few seconds.

SkelGrid Omni has solved the key issue of integrating ultracapacitors to UPS solutions with a modular, cost-efficient solution - powered by proprietary software. It is the first turn-key system, which brings ultracapacitor technology directly to manufacturing plants, data centers, hospitals, and other critical infrastructure.

SkelGrid Omni consists of 0,5; 1 and 2 MW building blocks. For the first time, customers can purchase additional MW seconds instead of overpaying for MW hours.

“Our first focus is the manufacturing industry. Electronics, plastic and metal processing, chemical, glass and other industries lose millions of euros every day due to poor power quality. Grid codes do not regulate short-term voltage sags, but modern manufacturing equipment require high power quality. As a result, manufacturing businesses companies suffering from scrapped products, downtime, and damage to the manufacturing equipment find themselves between a rock and a hard place. The SkelGrid Omni turn-key system is solving the dilemma with the highest safety standards in the industry and provides extremely fast reaction time and reliability with 15 years of life.”

Commented Mr. Taavi Madiberk, CEO of Skeleton Technologies.

SkelGrid Omni takes advantage of ultracapacitor technology, which has eliminated chemical reactions for providing power. resulting reaction time in milliseconds, extreme reliability with one million deep charge/discharge cycles, and over 15 years of life. SkelGrid Omni also takes advantage of having the lowest cost technology to deliver short-term megawatt power.

SkelGrid Omni is available at EES Hall B1, Booth 670



PRESS RELEASE

About Skeleton Technologies

Skeleton Technologies, a Bloomberg New Energy Pioneer, is the global leader in graphene-based ultracapacitors and energy-storage systems. We deliver high power, high energy, reliable and long-life storage solutions across the industry. Through the use of patented 'curved graphene', we have achieved global breakthroughs in ultracapacitor performance and successfully commercialized our ultracapacitors, in trucks, buses, and grid applications.

Since our foundation in 2009, we have invested 42 M EUR to support manufacturing scale-up in Germany and in Estonia and grown our headcount from 4 to 100 people.

Our ultracapacitors deliver twice the energy density and 4 times the power density offered by other manufacturers. Our current customer base ranges from leading Tier One automotive firms and industrial equipment OEMs to truck fleet operators and aerospace prime contractors.

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