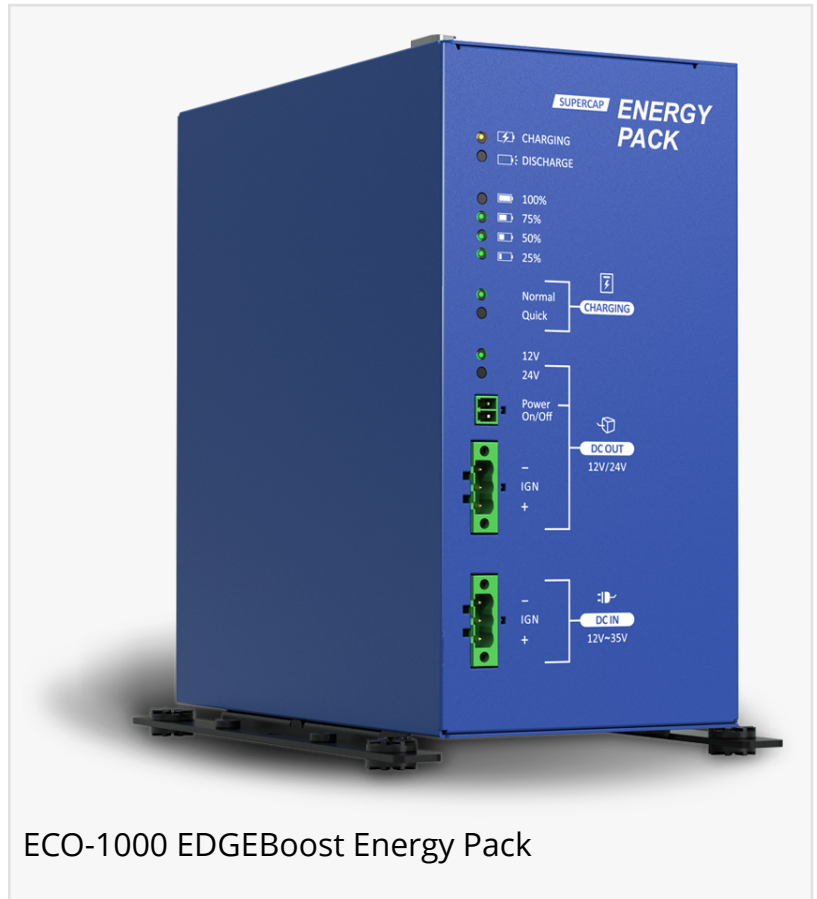


Premio Inc. Introduces Industrial-Grade Supercapacitor Power Backup Solution at Pack Expo 2023

The ECO-1000 Series “EDGEBoost EnergyPack” provides self-sustaining power backup for industrial computing workloads in harsh and mission-critical deployments.

INDUSTRY, CA, USA, September 11, 2023 /EINPresswire.com/ -- Premio Inc., a global leader in rugged edge and embedded computing technology, today launched a new industrial-grade supercapacitor power backup solution, the ECO-1000 Series “EDGEBoost EnergyPack,” at Pack Expo 2023. Held from September 11 – 13 at the Las Vegas Convention Center, Pack Expo is the leading packaging and processing show, bringing exhibitors from 40+ vertical industries to showcase their latest innovations and products to more than 30,000 attendees.



ECO-1000 EDGEBoost Energy Pack

The [ECO-1000 EDGEBoost EnergyPack](#) uses supercapacitor technology to enable configurable power redundancy for mission-critical applications that deploy industrial computers, displays, and panel PCs. The ECO-1000 empowers automation-focused infrastructure setups with an extra level of power efficiency and redundancy. In the event of power loss or instability, the ECO-1000 is designed to effectively provide sufficient redundant power to initiate a safe shutdown for data loss prevention and corruption.

“The ECO-1000 EDGEBoost EnergyPack represents a significant leap forward in energy storage technology, offering a robust power backup solution as more mission-critical computing workloads move into edge-native environments,” said Robert Lu, VP of product engineering, Premio. “Supercapacitor technology triumphs over traditional batteries in these harsh environments, allowing instantaneous power charge and discharge to protect vital data at the

rugged edge, a key requirement for real-time processing.”

The ECO-1000 is available in two versatile configurations, offering a choice between 8x (with 100W power output) or 16x (with 200W power output) supercapacitors. The ECO-1000 comes as a modular, plug-and-play unit that allows for quick replacement and upgradability to reduce maintenance costs.

The ECO-1000 brings dynamic charging options in each configuration to meet various demands at the rugged edge and offers 10-year longevity and 500,000 charging lifecycles for enhanced durability. The ECO-1000 supports three types of smart power modes for intelligent power

management dependent on the requirements of the application: Normal Backup, Ignition Control, and Battery Mode. Each mode provides a seamless method that leverages ignition control, remote power on/off, and electrical sensors to manage redundant power backup solutions efficiently and intelligently for a variety of deployment settings.

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We are addressing key computing requirements for even greater data redundancy in mission-critical applications as data is processed in real time at the rugged edge”

Dustin Seetoo, Dir. of Product Marketing

“As a leader in rugged and industrial computing design, Premio is committed to ensuring product reliability in the most unstable and harsh environments,” said Dustin Seetoo, director of product marketing, Premio. “With our new ECO-1000 EDGEboost EnergyPack power backup solution, we are addressing key computing requirements for even greater data redundancy in mission-critical applications as data is processed in real time at the rugged edge.”

Users can also streamline their operational processes with

an interactive GUI and LCM display module. The GUI enables remote management through an output display module with user-friendly dashboard features for simple management, insights, and monitoring. An optional LCM module provides additional on-site monitoring and control to help minimize downtime and optimize productivity. The ECO-1000 brings safety and reliability to the rugged edge with its ruggedized industrial design. Supercapacitors boast high resistance and



Premio Inc Brand Logo

endurance in harsh environments that will not compromise energy storage, output, and overall longevity. Premio's ECO-1000 has been tested and validated for:

- -25C to 55C Wide Operating Temperature
- 20G Shock Resistance
- 5G Vibration Resistance
- Over Voltage/Current Protection
- Reverse Protection

The ECO-1000 Series is UL Certified, complying with UL 62368-1 Ed. 3 for ultimate safety and reliability. Additionally, the energy pack is also EN50155 certified for deployment in railway applications. The ECO-1000 empowers system integrators with a robust, mission-critical energy solution that ensures redundant power and safety for many key markets and applications, including:

- Industrial Automation
- Railway Solutions
- Intelligent Transportation
- Smart Energy and City

To learn more about the ECO-1000 Supercapacitor Energy Pack and how it can empower your edge computing solution, please visit <https://premioinc.com>

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About Premio, Inc.

Premio is a global solutions provider specializing in computing technology from the edge to the cloud. For over 30 years, we have designed and manufactured highly reliable, world-class computing solutions for enterprises with complex, highly specialized requirements. Our engineering specialty and agile manufacturing push the technical boundaries in Embedded IoT Computers, Rugged Edge Computers, HMI Displays, and HPC Storage Servers.

Premio provides robust product engineering, flexible speed to market, and unlimited manufacturing transparency from strategic locations in the U.S., Taiwan, Malaysia, and Germany. Learn more by visiting our website at <https://premioinc.com>.

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