

# Emotron Introduces Groundbreaking Modular Converters for Green Energy

**[7 Nov 2023] CG Drives & Automation, a leading innovator in converter solutions, is proud to announce the launch of Emotron Modular Converters for Green Energy Solutions, a pioneering suite of products designed to revolutionize the landscape of flexible solutions for sustainable power.**

In response to the pressing global need for converter solutions that allow businesses to make use of batteries and renewable energy sources, CG Drives & Automation has invested years of research and development to create a range of products that ensure efficient reliable power with regulated current and voltage in any circumstance.

Emotron Modular Converter Solutions for Green Energy has a proven track record, having powered fully electric and hybrid electric systems in various applications, including marine vessels and onshore power facilities.

One of the key advantages of Emotron Converters is their adaptability to multiple energy sources including wind turbines, fuel cells and batteries. This flexibility is crucial in future-proofing energy supply, allowing seamless transitions between energy sources or battery power (BESS) and enabling power feedback into the grid.

The product line includes three core components:

- **Emotron VSI: A state-of-the-art motor inverter for precise generator control**
- **Emotron DCU: Ensuring a stable DC voltage amidst highly varying input voltage (15-85%)**
- **Emotron AFG: An innovative grid converter for efficient battery charging or grid feedback**

Emotron's AFG units are Grid Code Ready, meaning they meet global standards for grid feedback. With the capacity to handle up to 150% overcurrent and minimal harmonics, these converters ensure you an interference-free operation.

Unique software enables grid support functionality such as FFR, FCR, reactive power support and black start ability, e.g. allowing a battery an extremely quick response to a network feedback request. The highly flexible converters allow operators to choose battery or energy source more freely.

"These solutions are now at the forefront of battery applications, fuel cells and renewable energy, providing tailored adaptations for each unique application. We're thrilled to introduce Emotron Modular Converter Solutions for Green Energy. This represents a significant leap towards a sustainable future," said Björn Fälth, VP Product Innovation at CG Drives & Automation. "We're confident that these solutions will play a crucial role in transforming the way we harness and utilize energy."

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<https://www.emotron.com/emotron-modular-converters-for-green-energy/>

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# About CG Drives & Automation

CG Drives & Automation has developed, manufactured and delivered efficient and reliable motor control equipment for over 40 years under the brand of Emotron. Since 2011 we form a part of CG Power and Industrial Solutions Ltd., a global pioneering leader in the management and application of electrical energy.

At CG Drives & Automation we use our know-how to create technical solutions that fit your requirements, and our personal commitment to make them work in practice.

Simplicity and reliability are keywords applying to our products and solutions, as well as the service and support that our committed professionals provide.

CG Drives & Automation has five core markets with sites in the Nordics, India, Germany, the Netherlands, MEA and a dedicated partner network worldwide.

[www.emotron.com](http://www.emotron.com)