



Market News

Eltek launches the Flatpack2 SHE, a Super High Efficient power conversion module with the new game changing CoolGaN™ technology from Infineon at its core

Drammen, Norway, and Munich, Germany – 5 October 2017 – The quest for improved power conversion efficiency and reduction of energy losses is always on. In close co-operation with Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY), Eltek engineers have again cracked the code, reducing losses by 50 percent while further improving reliability and total cost of ownership.

Eltek is today announcing the launch of the Flatpack2 SHE, a new Super High Efficient power conversion module in the Flatpack2 family. After the revolution Eltek started with the HE technology, there has been a decade with smaller incremental improvements.

To make a significant change in conversion efficiency, reliability and total cost of ownership, Eltek saw the need to bring in new technology. The choice fell on the CoolGaN™ from Infineon; the close co-operation with Infineon throughout the development, verification and industrialization process is unique in the company's history.

“Reaching the 98 percent efficiency target, while improving an already industry leading field performance in a competitive way, will be appreciated by especially our telecom and data center customers,” said Morten Schoyen, Chief Marketing Officer at Eltek. “With our customers in focus we have also ensured backward compatibility to all 3 kW Flatpack2 versions. In other words, efficiency upgrades have never been simpler as the older modules can just be replaced,” added Mr. Schoyen.

The Flatpack 2 SHE will have a substantial impact on carbon footprint, consumed energy and ultimately the operational expense for Eltek customers. The energy savings are illustrated by the following examples where early versions of Flatpack 2 (92 percent efficiency) were replaced with Flatpack 2 SHE:

- Single mobile base station in Italy, 6 kW load – annual saving: € 576

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- Central office site in UK, 250 kW load – annual saving: £ 18,350.

“We always seek to stay ahead of the game on technology, and the ability to take on game changing technology like the CoolGaN™ from Infineon is key to achieve this goal. Besides the efficiency improvement, this technology brings improved reliability as well as manufacturability and other advantages that will enable us to continue to spearhead this industry,” said Erik Myhre, Senior R&D Manager at Eltek.

“We are delighted that Eltek is now manufacturing AC/DC power converters featuring our CoolGaN™ technology,” said Dr. Steffen Metzger, Senior Director High Voltage Conversion for Infineon Technologies. “They prove the value of GaN devices for achieving the highest electrical conversion efficiency at attractive system cost. We are also encouraged by the results of Eltek’s tests which show that the GaN-based systems are rugged and reliable, as expected. This validates Infineon’s application specific qualification methodology which allows us to predict useful life of our CoolGaN™ devices in a given application.”

More information is available at www.infineon.com/GaN.

Availability

The Flatpack2 SHE is now available for order and delivery. For more information please visit www.eltek.com/detail_products.epl?id=2160852.

About Eltek

Eltek, a Delta Group Company, is a strategic technology partner for power solutions. The company has operations in more than 40 countries. Eltek focuses on power electronics markets, where it is one of the leaders in telecom power and a growing force within industrial applications. Eltek is also pursuing growth opportunities within the datacenter market. Eltek is headquartered in Drammen, Norway and became part of Delta Group in 2015, a leading power and thermal management provider.

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