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**INNOVATIONS
AND TRENDS**

3-in-1: the Rectiverter



Three appliances in one module

The Eltek Rectiverter is a completely new concept in power conversion. It combines the functionality of a rectifier, an inverter and a static transferswitch in only one bidirectional power module. The concept is very simple: 3 appliances in 1 module. The Rectiverter has three ports - AC input, AC output and one bidirectional DC port for both input and output. During normal operation, the Rectiverter provides both AC and DC power with a total load of up to 2,000 W per module. The AC input is rectified, then fed to a built-in inverter for AC output. The rectified AC input is fed to a DC/DC converter for appropriate DC load output, and to batteries for charging. In case of AC (mains) failure, the DC flow is reversed from the batteries to feed the inverter for conversion to AC, and to take over the DC load. The transition from AC to DC feed is instantaneous and with no load disturbance!

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Subject to further change