

ECI COMBINES THREE HIGH-EFFICIENCY ENERGY CONVERTERS AND AN ENERGY BUFFER IN A SINGLE MODULE TO PROVIDE POLYVALENT POWER CONVERSION FOR CIRITICAL SYSTEMS AT UP TO 96% (AC/AC) AND 94% (DC/AC & AC/DC) EFFICIENCY.

AC Source

Wide AC input 150 to 265 Vac
Active power factor correction
Full bidirectional converter
0 mS transfer time to DC in case of
AC input failure

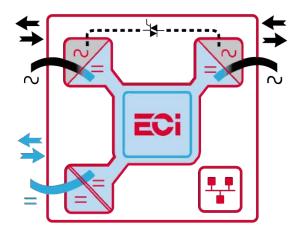
DC

94% DC/AC efficiency with double isolation DC batteries VRLA, NiCd, Liion Ultracap

Fuel cells
Optional MPPT for direct connection to
solar panel

BOOST

Short circuit peak 10xln for 20 mS on ACin 3xln on DC/AC for 20 mS



AC LOAD

Pure sine output Stabilized +/- 1% 0 leading to 0% lagging 2kW / 2,5 kVA

Communication

Redundant com bus
32 modules in parallel on the same
bus

3 94% ISOLATED DC/AC CONVERSION

the most efficient DC/AC conversion on the market!

DC to AC <=> 94% AC to AC <=> 96%





FOR ANY POWER CONVERSION SCENARIO YOU MIGHT BE THINKING OF ...

>> MULTIPLE CONVERSION POSSIBILITIES

The ECI technology allows for the set-up of each conversion stage to work in one or two directions depending on the final usage of the product in which it will be integrated:

- ACin, DCin and ACout only for inverter type applications
- ACin, DCin/out and ACout for UPS type applications
- ACin/out, DCin/out and ACin/out for multi conversion platform applications
- ...

