

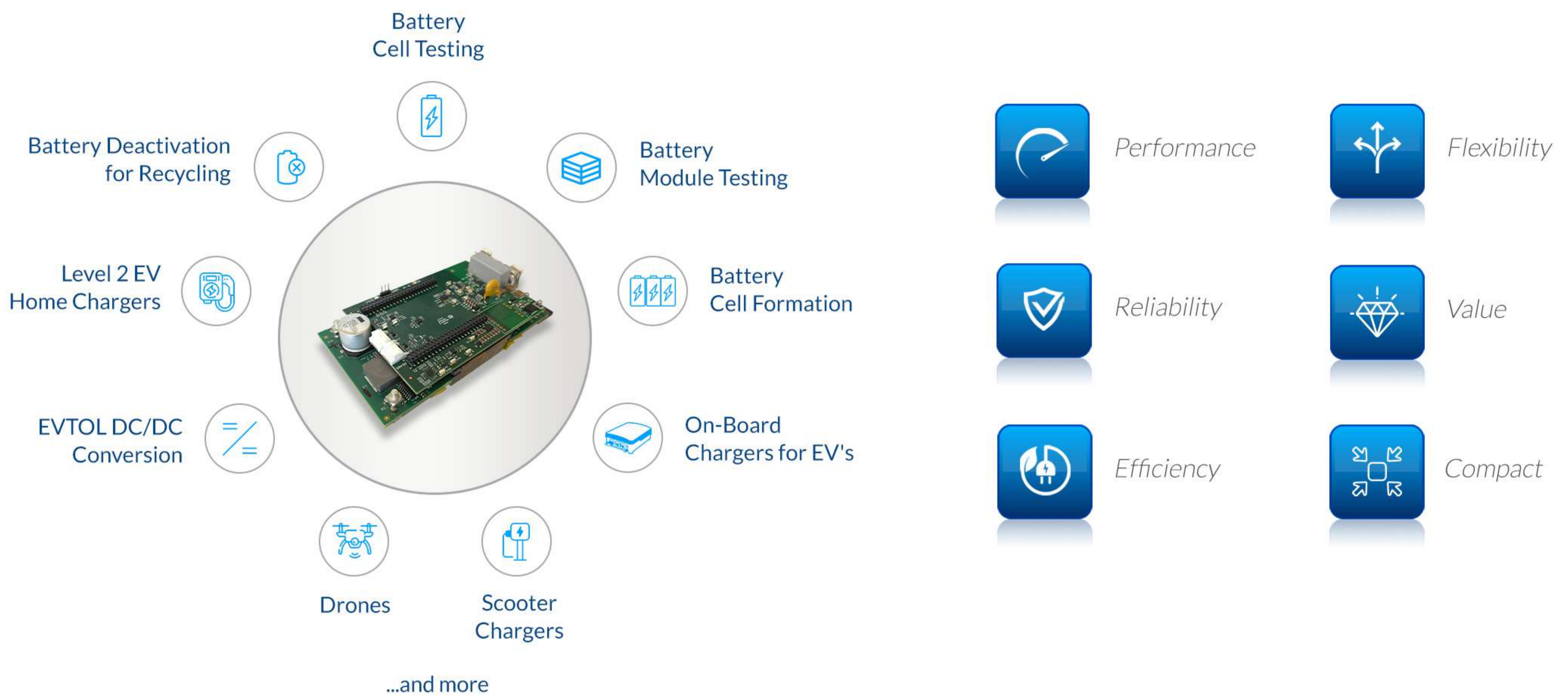
UNICO IDAC POWER PLATFORM

Powerful, Compact, Flexible, Efficient and
Controllable DC/DC or AC/DC Power Conversion



UNICO's new IDAC Power Platform stands to revolutionize power conversion across the electric propulsion and energy storage industries. Its single stage power conversion, isolation, and DC output control topology provide class leading energy efficiency and compact footprint which benefits every electrification application.

APPLICATIONS / SPECIFICATIONS



BENEFITS



FLEXIBLE OUTPUT RANGES

Flexible, isolated DC outputs (up to 4 per device) with application specific ranges such as:

- 0-10VDC for cell testing and formation
- 0-100VDC for module testing and emulation
- 0-500VDC or 0-1000VDC for EV on-board charging
- 0-1000VDC for battery recycling

Or anything in-between



FLEXIBLE INPUT RANGES

Flexible AC or high voltage DC inputs such as:

- 120VAC
- 240VAC
- 480VAC
- 400VDC
- 800VDC



EXTREME EFFICIENCY

- Better than 98% for all applications; most applications more than 99% efficient
- Fully bi-directional for energy efficient battery testing and formation or bi-directional EV charging with energy storage system



ULTRA COMPACT PERFORMANCE

- Up to 12kW/L power density
- High performance SiC power switching up to 1MHz or more
- Air or water cooled with same design



Specifications are subject to change without notice

in f @ t x v unicollc

www.unicous.com

(IDAC 03.2024 Released)

Scan to Visit Our Website

