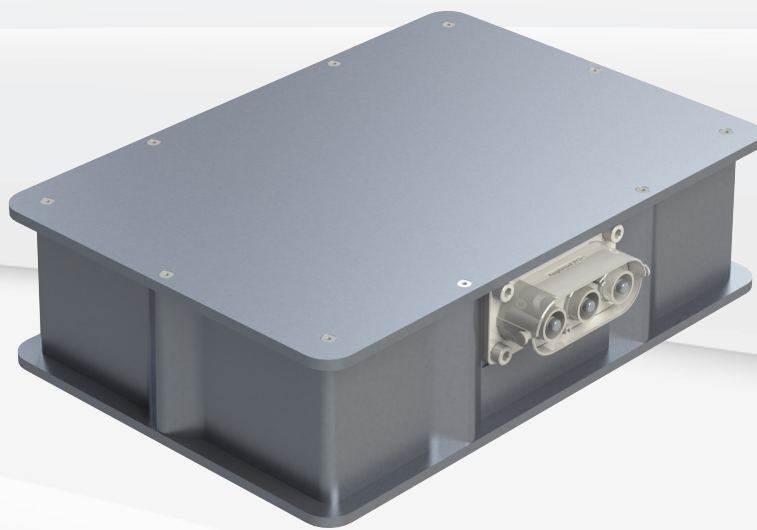




Engineering Excellence in Power Conversion

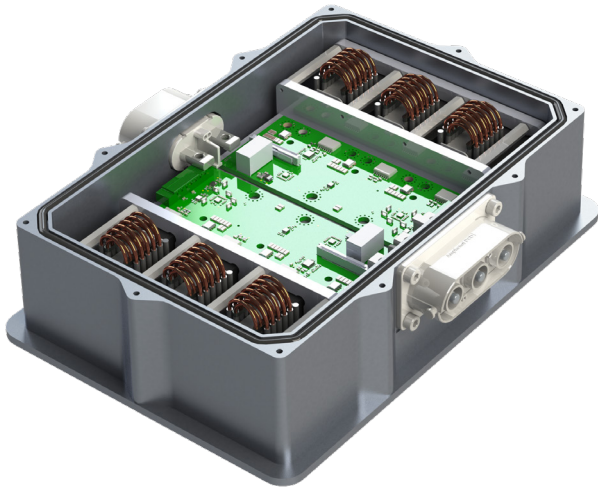
UNICO OBC POWER PLATFORM

Powerful, Compact, Flexible and Efficient On-Board Charging and DC/DC Solutions



Unico's new On-Board Charger (OBC) platform stands to revolutionize the OBC market for the transportation industries, including e-bikes, scooters, e-motorcycles, EVs, and more. Its single-stage power conversion, isolation, and flexible DC/DC output options provide class-leading energy efficiency in a compact footprint. The additional DC/DC functionality with the OBC in a single package will benefit all electrification applications.

SPECIFICATIONS



Performance



Flexibility



Reliability



Value



Efficiency



Compact

BENEFITS



FLEXIBLE BI-DIRECTIONAL CHARGING POWER

- Example Power Outputs: 3kW, 6kW, 11kW, 22kW
- Example Battery Voltage Levels: 50VDC, 100VDC, 400VDC, 800VDC
- Better than 98% efficiency for 400/800VDC



FLEXIBLE INPUT RANGES

- 120VAC
- 240VAC
- 480VAC



OPTIONAL DC/DC CONVERTERS

- Add one or more DC/DC conversion "channels" to the OBC
- For example: Add a 2kW 12VDC DC/DC and a 1kW 48VDC DC/DC to the single solution



ULTRA COMPACT PERFORMANCE

- Up to 12kW/L power density
- High performance SiC power switching up to 1MHz or more
- Water cooled



Specifications are subject to change without notice

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(OBC 10.2024_Released)

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