



Make modularity the backbone of your grid.

DC Microgrid

A state-of-the-art **DC microgrid** to future-proof your **EV infrastructure**. Our professional load management solution combined with our 5-minute **DC ultra-fast chargers** keep you operating smoothly and reduce peak power consumption.

Proventus Global offers a turn-key solution providing our unique and proprietary DC microgrid technology. With these microgrids battery storage, photovoltaic cells (solar), and high-powered EV chargers can be combined in one advanced energy solution.

APPLICATIONS

Transition to net-zero E-fleets
(Car / Buses / Trucks)

Peak shaving of active power

PV-diesel-hybrid power solutions

Grid integrations of charging stations

Efficient fleet charging with user and vehicle prioritization

Grid Arbitrage opportunities

Resilient to outages

Generate carbon credits

Fleet management

Build your own charging network



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DC Microgrid Solutions

Modular, scalable, intelligent design.

HIGHLIGHTS

Convert variable battery, solar PV, EV charger and other DC voltages into a common DC bus.

Modular and flexible configuration, scalable for higher power ratings.

Designed for long-life and low, simple maintenance.

Completely bidirectional – V2G/V2B immediately

Made-in-North America

STUDIES

- ✓ Accommodates scalable 150kW DC/DC converters
- ✓ PV ready
- ✓ All components fit in one enclosure
- ✓ Equipped with safety features
- ✓ Internal galvanic isolation integrated in power units

SPECIFICATIONS

Number of DC/DC converters	Efficiency	Installation	Environmental Conditions
2 or 4 x 150kW (with galvanic isolation)	>98.5%	Indoor/Outdoor	-30°C to +50°C, 0% to 98% relative humidity, type 3R (IP54) rating