

Custom DC Link Capacitor for Level 3 EV Chargers

Custom Engineered Capacitor designs optimized for EV Chargers

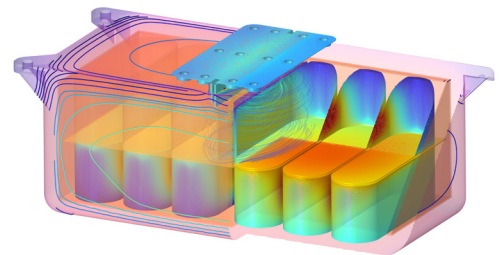
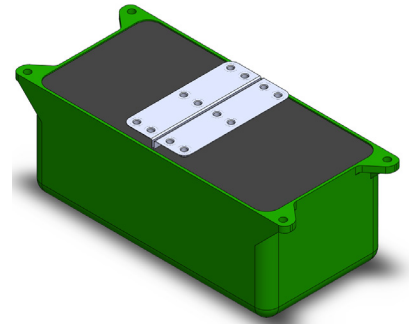
CDE's custom engineered DC Link capacitors are designed specifically for level 3 EV charging applications. The high-power demands of level 3 charging require robust DC link capacitors with exceptional life and reliability over a broad range of operating conditions. As an industry leader in capacitors for high power inverters and converters, CDE has dedicated engineering resources to design custom DC link capacitors that meet the exact power requirements and unique mechanical packaging to fit your application.

Highlights

- Optimized for high efficiency power inverter/converter EV charging systems
- Module design is custom engineered to meet the mechanical & electrical requirements of the application
- High capacitance values available
- Low inductance: $< 5 \text{ nH}$
- High ripple current: 100's of Amperes
- Self-healing and low loss dielectric system
- Metal cases or insulated plastic cases available
- Advanced capacitor performance modeling based on customer's application conditions
- CDE designs/technology results in high energy and high current density

Specifications

Capacitance Range	Design for specific application
Voltage Range	450 Vdc to 3800 Vdc
Operating Temperature	-40 °C to +135 °C
Life Expectancy	200,000h Typical



Applications Include

Level 3 battery chargers, Power inverters for Solar, Wind Power, and Motor Drives where an individual capacitor module is custom engineered as an alternative to banks of standard DC link capacitors



<https://www.cde.com/new-product/ev-charging/>



ENERGIZING IDEAS

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