Planar transformers & Inductors for EV-Car Applications

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➢ Fast charging and battery management systems for electric vehicles have become more popular as commuters rely on energy efficient options for transportation. With commuters moving away from ethanol based fuel mixtures, electric vehicles are becoming more standardized and enviromentally friendly. Standex-Meder Electronics has developed various products including planar transformers for use in eCars.

Features

- Low profile, low leakage inductance
- Repeatable leakage inductance, capacitance
- Volumetric efficiency
- Low turns count improves Cu loss
- Low loss, reliable PCB construction
- AC Resistance and Proximity Cu loss minimized
- Main transformer power 700W-7kW, current up to 250A
- Optimized core cross section lowers core less
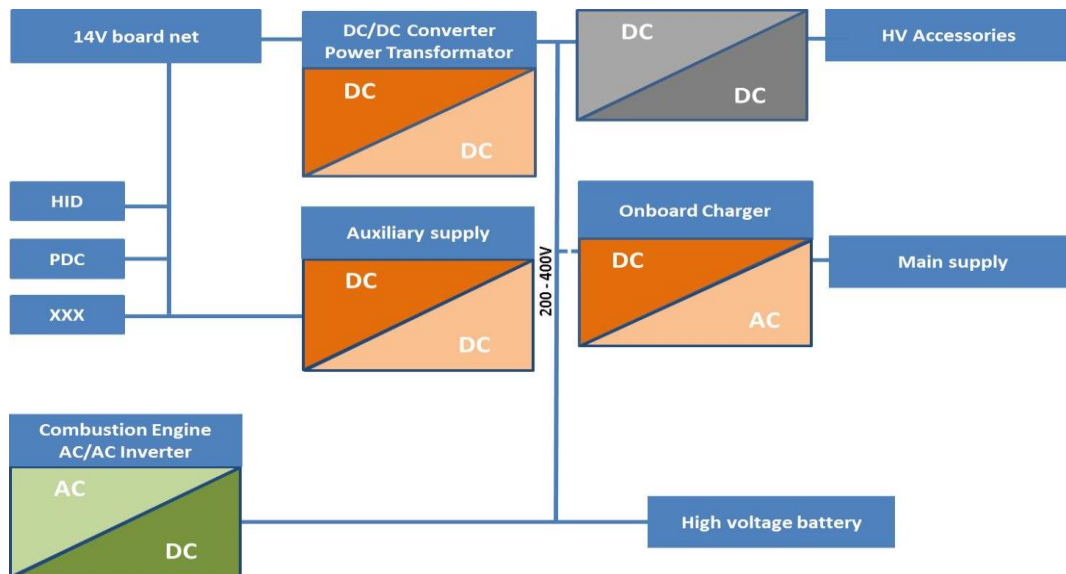
Applications

DC/DC Converter
- Power transformer
- Output inductor
- Resonant inductor

Onboard Charger
- PFC inductor
- Resonant inductor
- Power transformer
- Output inductor

Contact us…

With our expert engineering staff and cutting-edge manufacturing capabilities, we are well-equipped to produce unique solutions for just about any environment or application.

To provide the best possible planar transformer and inductor information, please fill out our custom planar transformer and planar inductor request forms.

https://standexelectronics.com/products/planar-magnetics/

Planar Magnetics Design Guide

Request Form