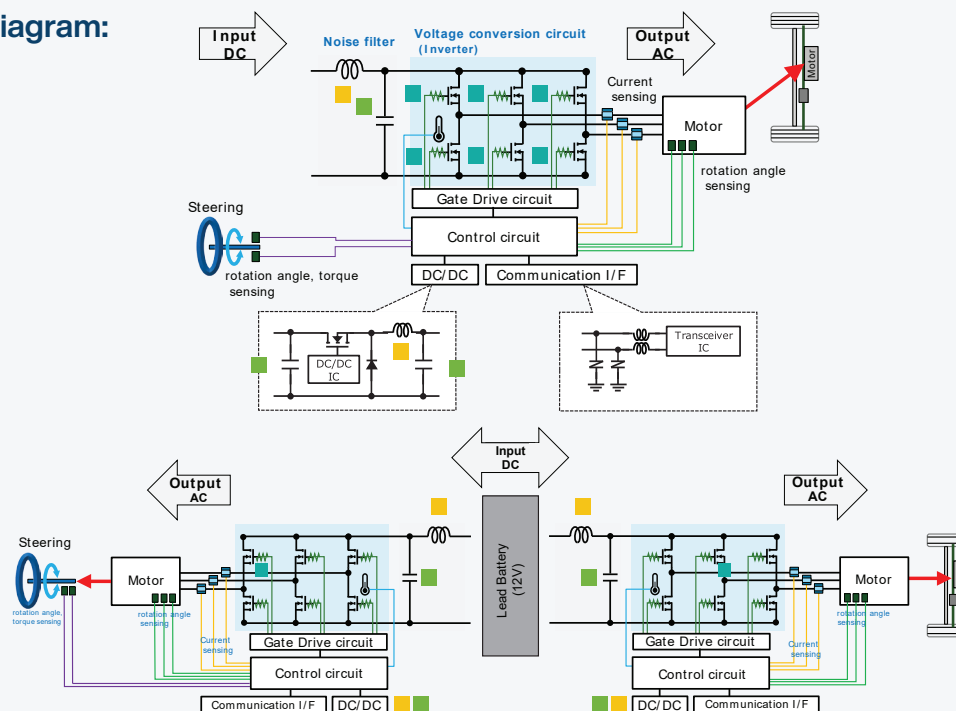




EPS (Electric Power Steering)

Electric Power Steering (EPS) replaces traditional hydraulic systems by using an electric motor, sensors, and an electronic control unit (ECU) to provide precise steering assistance without hydraulic fluid. It adjusts in real time based on driver input and driving conditions. Because EPS only consumes energy when assistance is needed, it improves fuel efficiency, reduces emissions, and enhances steering response.

Block Diagram:



Our devices

SMD resistor



Power inductor



Hybrid capacitor



Design consideration:

- Rush current
- Low loss
- High precision (temperature)
- Miniaturization
- Vibration proof

Recommended product:

Capacitor

- Hybrid capacitors ([ZC](#) / [ZKU](#) / [ZV](#) / [ZL](#))

Power inductor

- Low cost / low profile series ([LE](#) / [LP](#))
- [Large current series](#)

Resistor

- High precision resistors ([ERA*A](#))
- High power resistors ([ERJB](#) / [ERJP](#))

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