EV Power Inverter Control Reference Platform Gen 1

RDPWRINVERTER

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Please contact support or your local sales representative for more information.

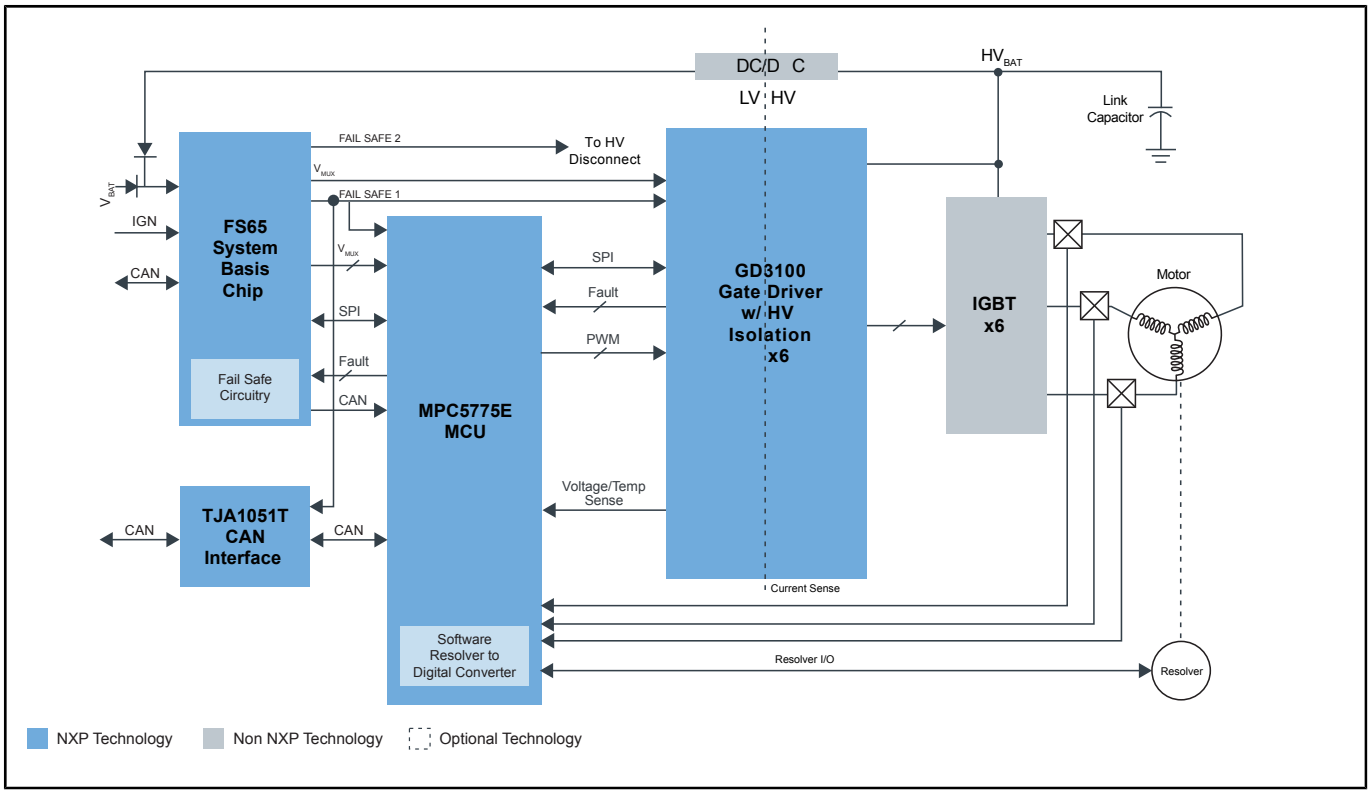
This automotive EV power inverter control reference platform targets ISO 26262 ASIL D applications, such as electric vehicle traction motors and DC to DC converters.

NXP offers the choice of three tools to speed development of your inverter:

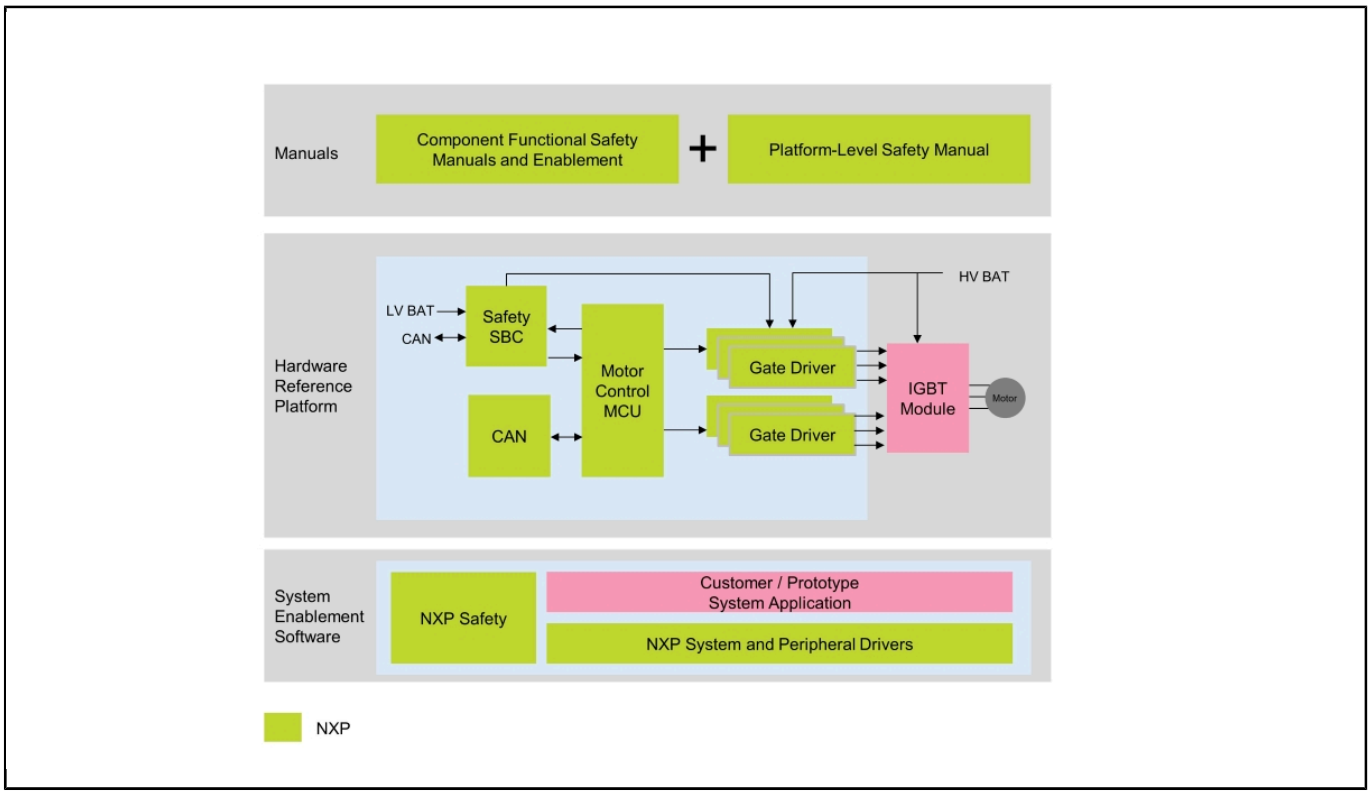
- Enablement Kit for Fuji's M653 IGBT module. This contains four boards, basic software and interconnect cabling described in technical and functional specifications below. External components such as the IGBT module, link capacitor, bus bar, cooling plate, must be supplied by the customer.
- Enablement Kit above.
- A complete inverter control reference platform is available through Vepco Technologies Inc. It includes the four boards, IGBT module, DC link capacitor, bus bar, cooling plate, motor options, case and software.

These tools combine NXP's comprehensive automotive portfolio of automotive MCUs, CAN bus interfaces, safety system basis chips and high-voltage isolated IGBT Gate Driver IC modules.

HEV/EV Motor Control Block Diagram



Inverter Platform HW and SW Block Diagram



View additional information for EV Power Inverter Control Reference Platform Gen 1.

Note: The information on this document is subject to change without notice.