
Control Assembly

The reusable OpenVVF control module - user hardware manual and software manual.

Supported by



1. Control Assembly

The control assembly is the reusable inverter brain of OpenVVF. It is a dual-MCU traction-inverter / VCU control board that can be paired with any compatible power stage.

- **User Hardware Manual** - Board layout, connectors, pinout, mounting, thermal, electrical interface, HVIL, and safe-state behavior.
- **Software Manual** - Base firmware image overview, flashing procedure, RTE host setup, and how to build and load custom code.
- **Assembly Guide** - Step-by-step assembly procedures for the control module.