

Elinta Motors HCU is designed for both pure EV and Plug-In hybrid applications.

4x CAN-bus it controls powertrain, vehicle safety systems, dashboard, climate control and other in-vehicle equipment operation.

Electric Vehicles
Heavy Machinery
Marine Applications

- ECE R-100
- ECE R-10

Key Features



- 4 x CAN-bus, up to 1Mbps
- 18 x inputs
- 17 x outputs
- Dual STM microprocessors
- IP6k9k protection
- Integrated IEC 62196 charging controller
- Smart diagnostics
- CAN-USB programming
- Climate control
- Vehicle safety: ABS, VSC, ASR, LDWS.

Master Unit

Dimensions
205 x 140 x 38 mm

- Typical working voltage: 12 V to 18 V
- Minimum voltage: 6 V
- Normal operation current: > 500 mA
- Peak current: 50 A
- Standby current: <10 mA

Other Features

- Operating range -40 C to +85 C
- 4x CAN-bus, up to 1 Mbps
- RS232 - up to 11520 baud
- 7" or 10" GUI support
- 90 pin connector

Inputs

- 8 x Protected digital inputs
- 4 x Protected analog inputs
- 12 V Internal battery voltage monitor
- 2 x Fully isolated accelerator signal inputs
- 1 x Fully isolated brake position signal input
- 3 x Current monitoring inputs up to 20 A
- Ignition input for system enable

Outputs

- 13 x N type outputs 1.4 A
- 4 x N type outputs 10.0 A
- 2 x P type outputs up to 1.8 A
- Current Limitation (all outputs)
- Overload Protection (all outputs)
- Thermal Shutdown (all outputs)