



## 48V Drivekit

The 48V Drivekit is an innovative solution designed as a kit to allow easy integration into different models. This modular system offers a flexible and powerful drive solution for electric vehicles, hybrid vehicles and other applications. With high efficiency and optimized performance, the drive system ensures perfect range and acceleration. The ease of assembly and adaptability make it ideal for manufacturers and rental companies who want to equip their vehicles with the latest technology. In addition, the system supports the use of renewable energy and helps reduce CO2 emissions, making it an environmentally friendly choice for future mobility.

### Description

Take advantage of the opportunity to equip your projects with an innovative drive system and benefit from our current promotion. Rely on quality at the best price and contact us today for further information and individual offers! Enter the future of mobility!



### Technical Specification

#### Motor

- Power Output: 1 to 8.5 kW
- Compatible Supplier: Heinzmann, Heidrive, Benevelli, Engiro etc
- Implementation of additional suppliers on request

#### Battery

- Energy: 2.5 to 15 kWh
- System Voltage: 48V
- Compatible Suppliers: Battery Labs, EcoVolta, Varta, Invenox etc
- Implementation of additional suppliers on request

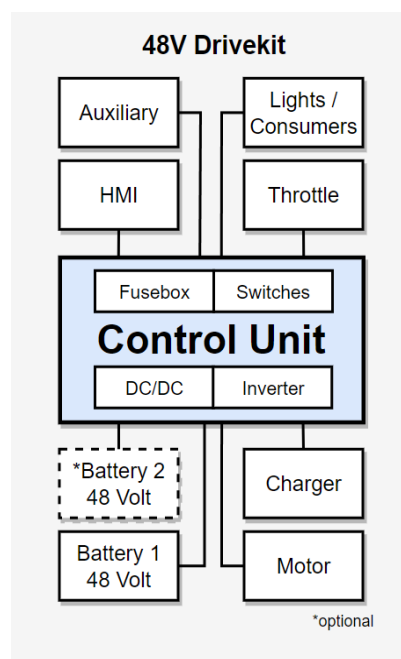
#### Charger

- 0.4 kW / 1.2 kW / 3.3 kW single phase
- Onboard or offboard option

#### Control Unit

- 10 kW Inverter integrated
- 370W 48V/12V DCDC integrated, 24V optional
- Integrated Inputs on Control Unit: Key Switch, Direction Switch, Emergency Stop, Light Switches, Horn, etc; fully customizable
- Additional Inputs: Throttle, 0..5 V redundant
- Outputs: Lights, Auxiliary Consumers, fully customizable
- Display integrated: 5" Diameter with Touch Functionality, fully customizable. Primary Screen with Speed & State of Charge, secondary Screen with detailed status and error information

### Functional Schematic



Control Unit Interface Description

Name	Description	Options
X1_Input	Battery 1	Variations 2.5 to 15 kWh
X2_Input	Battery 2	Variations 2.5 to 15 kWh
X3_Input	Charger	Variations 0.4 kW to 3.3 kW
X4_Input	Throttle	Variations
X5 / X6_Output	Auxiliary	Lights, Horn, 12/24V_Consumers
X7_Output	HMI	Variable functions
X8_Output	Motor	Variations 1 to 8.5 kW



Control Unit Technical Drawing

