

Charge Control F

Introduction

Charge Control F adds DIN 70121 and ISO 15118 functionality to the EVSE side. It provides all core functionalities to enable chargers the high-level communication with a CCS enabled EV.

The controller is equipped with a QCA7006 and a powerful Cortex M4 running a state-of-the-art Real time Operating System with our complete SW stack included. It will provide your charger with all the necessary parameters from the EV.

This board comes with the required galvanic isolation from the power line as well as the power supply (external supply: 12 / 24 V).

Key Features

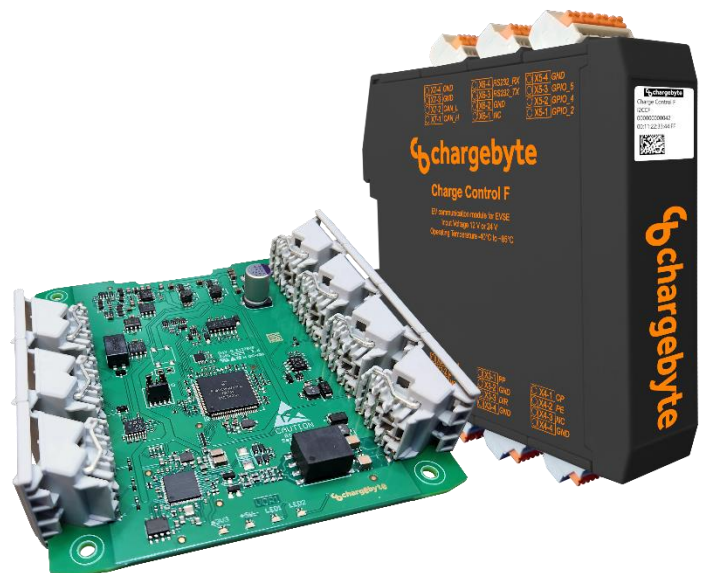
- based on the reliable Charge Module E Software
- suitable for direct connection to the CP signal in electric vehicle charging
- external 12 V or 24 V power supply
- CE
- AC and DC charging protocol
- Plug-and-Charge
- Bidirectional charging
- Available in DIN rail case or without as single PCB

Application

Communication controller for EVSE

Operational

Parameter	Value
Temperature range	-40 °C - +85 °C
RoHS / REACH	Compliant
Power supply	12 V or 24 V
Power consumption	max. 4 W
DIN Rail outline dimension [mm]	25 x 100 x 108,35



Interfaces

- CAN
- RS232
- Power supply connector
- Charging connector for CP, PP, PE
- GPIOs