Overview

The OBC (On Board Controller) is an interface module intended to be installed in an Electric Vehicle to manage communication between the EV and the charging station according to the CCS protocol defined in ISO / IEC 15118 or CHAdeMO protocol.

This controller module also allows compatibility with vehicle charging stations that comply with AC Mode 3, as defined in the standard IEC 61851. The Electric Vehicle can then be charged in any slow or DC fast charging station that is compatible with the above mentioned charging protocols.

IPLC + ICEV Module

This unit can be used in the EV and assures interface between the charger and the vehicle CANbus, and controls the on board contractors.
**Features**

- DC charge control, CHAdeMO (v0.9 or v1.0) or CCS (type 1 or type2)
- AC charge control, Mode3 (type 1 or type2)
- Isolated CAN bus to communicate with CAN bus Vehicle (ECU, BMS and On Board Charger)
- Power supply at 12V (10 to 16 V) or 24V (20 to 36 V)
- Control LEDs Charge Status Indication (DC and AC)
- Control 2 HV DC battery Relays, with feedback monitoring available
- Control Connector Locking system, DC (CCS) and AC, with feedback monitoring available
- CCS Inlet and AC Inlet Temperature Monitoring available
- Automotive Enclosures and Connectors.
- Available 2 Generic Digital I/O
- Dimensions (W x L x H):
  - ICEV (160.0 x 180.5 x 54.6) mm
  - IPLC (222 x 146 x 55) mm

**Simplified Functions**

**CHAdeMO**

- CAN
- Control
- Power
- Vehicle CAN

**ICEV**

**CCS**

- PLC
- IPLC
- Vehicle CAN

- Power

---

Due to our policy of continuous development, specifications may change without notice. Not valid as a contractual item.