

| EVCC

ELECTRIC VEHICLE COMMUNICATION CONTROLLER

Sensata is presenting the latest generation Controller for charging Electric Vehicles to its extensive Electrification Portfolio. The EVCC (Electric Vehicle Communication Controller) is a solution that supports both CCS1 and CCS2 inlets and, thanks to Plug and Charge (PnC) capability, vehicles can be authenticated simply by plugging in the inlet, thus starting the charging process.

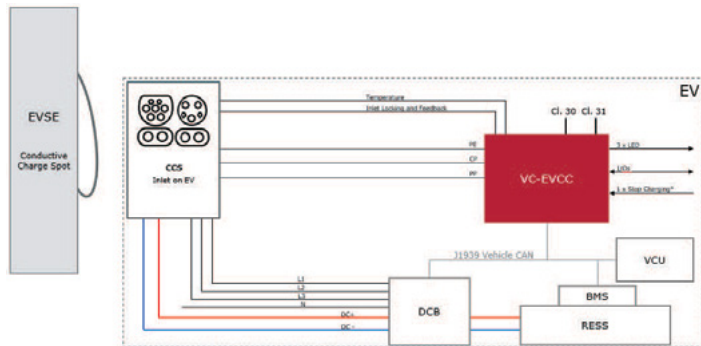
The EVCC is a standard ECU for 24V environments. It realizes electrical charging according to DIN SPEC 70121 and ISO 15118 for power line communication (PLC) with the infrastructure. Sensata's EVCC includes an integrated flash bootloader and a modern MICROSAR stack with all relevant application modules.



● SPECIFICATIONS

IEC 61851	Supported
DIN 70121	Supported
ISO 15118-2	Supported incl. Charging Schedules & Plug and Charge (PnC)
SAE J3068	Supported
Value Added Service (VDV261)	Supported, additional use cases planned for Feature Updates
ISO 26262	SEooC* The EVCC is developed to fulfill functional safety goals rated with ASIL B.
Supported Inlets	Phoenix 12V locking, Amphenol Automotive, Rema
CCS Combo 1	Series
CCS Combo 2	Series

System Architecture



The EVCC is designed to be integrated into the vehicle with the following system architecture.

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