



EVCC Gen 2

Electric Vehicle Communication Controller

Sensata introduces the next generation of its Electric Vehicle Charging Controller (EVCC) as part of the comprehensive Electrification Portfolio. The **EVCC Gen 2** is an advanced solution designed to support CCS1, CCS2, and NACS charging inlets. With Plug and Charge (PnC) capability compliant with ISO 15118-20, vehicles are effortlessly authenticated upon connection, seamlessly initiating the charging process. Additionally, the EVCC Gen 2 enables Bidirectional Power Transfer (BPT), allowing electrical energy to flow in both directions, further adhering to ISO 15118-20 standards. Notably, Sensata's EVCC Gen 2 is fully Autosar-compliant, ensuring integration with a wide range of automotive systems.

Highlights

Charging Support

- IEC 61851: CCS1, CCS2
- SAE J3400: NACS
- SAE J3068
- ISO 15118-20: TLS 1.3, BPT, Dynamic Charging, Plug and Charge
- ISO 15118-2: TLS1.2, Plug and Charge, Value Added Service
- DIN 70121

Vehicle Control

- J1939 CAN Bus
- Stop Button Input
- LED Controls
- Inlet Temperature Sensing
- Inlet Motor locking and feedback
- Vehicle Enable Output
- Configurable I/Os

Features

- Charging Support (CCS/NACS)
- Autosar
- BPT in accordance with ISO 15118-20

Parameters

Parameters	Description
Voltage Range	12V / 24V Applications (8V-32V)
Temperature Range	-35 / +85 Degrees C
IP protection	IP6K6K / IP6K7 / IP6K9K
FuSa	ASIL B

Applications



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