



CC613 Software Specification

Valid for CC613 und CC613-Hxx variants

Backend integration

- OCPP1.5 & 1.6 complete, 2.0.1 on roadmap for 2021
- Complete support for OCPP1.6 feature profiles
- Secure backend connectivity with basic auth or client-side certificates
- Authentication:
 - RFID & Secure RFID (Mifare)
 - Fixed local list of allowed tokens
 - Remote Start
 - ISO 15118 Plug&Charge and Autocharge
 - Giro-e (experimental), NFC/CreditCard payment on roadmap for 2021
- Support for German Eichrecht based on multiple meter models with data formats for transparency software import (compliant to SAFE-initiative)

Network connectivity

- 2G/3G/4G wireless module
- Ethernet connection
- Integrated WAN router (1 SIM, multiple connected devices)
- WiFi connectivity (using accessories)

Load management

- Load balancing for up to 250 charge points in one managed group
- Hierarchy-based load balancing scheme with multiple fusing levels
- Integration of external meters (Modbus TCP / Modbus RTU)
- Management of current imbalance with adjustable limit
- Advanced functions for charging stations with 2 controllers in master-slave setup

Local energy management support

- Compatible with EEBUS and SMA SEMP (starts with firmware 5.20)
- Compatible with local and remote systems based on OCPP SmartCharging profiles
- Modbus server functionality

Electrical safety & compliance

- 6 mA DC sensor integrated, also with IEC 62955-compliant behaviour
- Weld check
- Flexible derating based on controller-internal and external temperature sensors
- Tilt sensor support

Supported components & accessories

- I2C interface to connect HMI from Bender or third party manufacturers
- USB-based HMI with optional WiFi support (Q3/2021)
- REST interface to display charger status
- Direct control of 230 V contactors
- Hella and Phoenix Contact actuators with integrated emergency opener function are supported
- Support for household plug configuration
- External parking sensor (Banner)
- USB-based WiFi adapter

Operator & end customer interface

- Modern web interface
 - Charging dashboard
 - Download list of charging sessions
 - Configure energy management systems
 - Graphical insights into load balancing (starts with firmware 5.20)
- White-label customization possible
- Role-based access (on roadmap for 2021)

End-of-line configuration

- Configuration over SSH/SCP interface or USB
- Strong customer password configurable
- Firmware version definable (quantity orders only)

Field support

- Secure remote access to configuration interface over wireless or routed connections possible
- USB connector allows firmware updates, configuration and download of diagnostics
- Separate diagnostics files for technicians and Bender support crew
- Status indicator LED
- Over-the-air (OTA) software updates are possible

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Bender GmbH & Co. KG

Postfach 1161 • 35301 Grünberg • Deutschland
Londorfer Str. 65 • 35305 Grünberg • Deutschland
Tel.: +49 6401 807-707 • Fax: +49 6401 807-259
E-Mail: emobility@bender.de • www.bender.de

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Bender GmbH & Co. KG

PO Box 1161 • 35301 Grünberg • Germany
Londorfer Str. 65 • 35305 Grünberg • Germany
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