The next generation of smart charge controllers

CC613 charge controller

Future-proof controller with a modular design

The CC613 already integrates Powerline Communication (PLC) according to ISO 15118. Various authorisation options such as Giro-e, RFID or via app are just as natural as regular software updates.

Dynamic load management (DLM)

The simple implementation of a networked charging infrastructure with up to 250 charging points (master/slave) guarantees a highly efficient distribution of the available energy. The DLM can be controlled either internally or externally via an EMS (e.g. EEBUS).

Integrated protection against failure

On-site service can be reduced to a minimum thanks to the built-in emergency opener, the integrated DC fault current detection (VDE certified according to IEC 62955) and the standard weld check.

Additional product features of the CC613

- Billing option by using the current OCPP standard (1.5 & 1.6, JSON & SOAP) in combination with Modbus meters from different manufacturers.
- The integrated emergency opener allows the end user to remove the cable quickly and safely in case of an emergency or power failure.
- Sustainable investment thanks to update options (software and hardware).
- Authorisation can take place via the RFID interface or via OCPP using an APP/QR code. RFID module can be ordered separately.
- The charge controller can also be controlled remotely via OCPP and allows for comprehensive monitoring (including AC/DC fault currents).
- For easy networking of the charge controllers, the CC613 has an integrated Ethernet interface. Connection to an energy management system (EMS) via EEBUS or SMA SEMP can also be easily implemented. Depending on the variant, an additional 4G modem is installed.
- With the newly integrated 230 V control relay, the contactor can be switched directly with the CC613 for power release on the vehicle side without an additional relay.
- Continuous PE monitoring ensures that the PE connection to the controller is properly established.
- The numerous components integrated in the controller make the charging point much more compact and space-saving.

Bender eMobility solutions:

Standard-compliant solutions from the charging station to the electric vehicle

- Vehicle sensors (insulation monitoring)
- Charging technology/charge controller
  - RFID module
  - Measuring current transformer CTBC17
  - Displays
- Infrastructure sensors for AC and DC charging

Type	Modem	Interface	RDC-M	External Modbus	LED	PLC	User interface	Art. No.
CC613-ELM4PR-M	4G	Modbus, Ethernet	✓	✓	Status	✓	✓	B94060020
CC613-ELPR-M				✓				B94060021
CC613-ELM4PR	4G							B94060026
CC613-ELPR								B94060027
CC613-HEM-X2	–			–			–	B94060028

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