CHARGE
SERIES

Mobile charging solutions

ROCK-SOLID.
INDESTRUCTIBLE.

Vello ELEKTRO

ROCK-SOLID.
INDESTRUCTIBLE.

PORTABLE CHARGING

The presence of the electric car is increasing fast. We can hardly imagine a public space without charging stations nowadays. Drivers of electric cars are more and more counting on charging facilities at the car park. Temporary power facilities at your event-, market- or industrial site will have to meet this need. Vello Elektro has developed a portable charge system, providing a solution for both the user (driver) and the rental company.

- FLEXIBLE NUMBER OF CHARGE POINTS
- LOAD BALANCING
- USER FRIENDLY SOFTWARE
- SELECTING PREFERRED USERS
- PAYMENT OPTION

A FLEXIBLE SYSTEM: CHARGE BALANCE

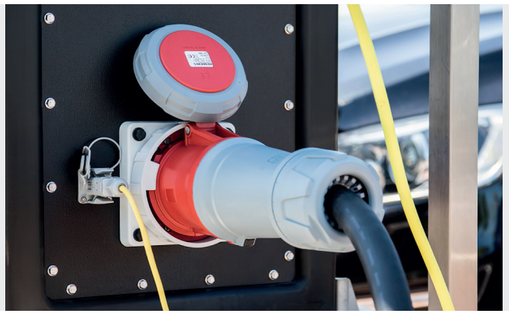
Charge is a portable charging system that provides flexibility for the rental company or equipment manager. A combination of control units ('Main') and charging units ('Companion') provides a customized solution for any situation. One MAIN unit controls several COMPANION units, in which different features of the system can be matched to each other on a project-specific basis.

The 'MAIN'-unit is powered by a 125A CEE plug and connected to the COMPANION-units via a CAT5 data cable. From here, a link is made to a maximum of 7 charge units with 4 load points per unit, which makes 28 charge points in total.

SETTLEMENT OPTIONS

The rental company determines which prices are charged for loading. Settlement of the power supplied is possible in three different ways:

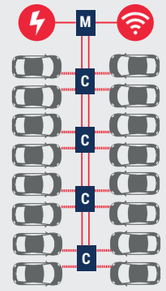
1. Via DIRECT CHARGE. All charge points have been released; every connected car can load. The user will not be charged directly.
2. Via RFID TAGS. Each charge unit communicates with the user through an RFID tag reader. These cards are issued in advance by the operator and assigned to the user. The tag activates the charge point; payment in advance.
3. Via OCPP. The back-end of the system is equipped with secure connection via OCPP (Open Charge Point Protocol) as standard. This allows the user to pay via existing charge cards such as, for example, New Motion or MKB Brandstof.



CHARGE SET-UP

125A CEE INPUT
125A LINK
CAT5 IN/UIT
INDUSTRIAL PC-UNIT
BATTERY UNIT
OVERSVOLTAGE-PROTECTION

MAIN



125A CEE INPUT
125A LINK
CAT5 IN/UIT
4 x 22kW OUTPUT (TYPE 2 WCD)
4 x KWH METER
4 x RCD/ MCB (30mA / 6mA D.C.)
2 x RFID TAG READER

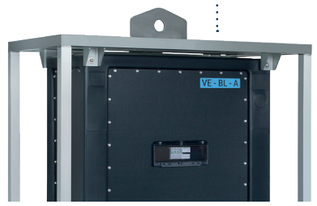
COMPANION

ORGANIZED FLEET

The CHARGE system is pre-programmed for every customer, so that 'Main' and 'Companion' units can easily be combined. A logical coding in both the software and the units makes it easy for the user and the fleet manager to identify and control the correct charge point.

Custormername:
1st 2 letters (i.e.VEllo)
Serial identification:
1st 2 letters color (BLue)
Suffix letter MAIN:
A -Z

MAIN



COMPANION

Customer name:
1st 2 letters (i.e. VEllo)
Serial identification:
1st 2 letters color (BLueb)
Suffix letter COMPANION:
1 - 42

CHARACTERISTICS

22 kW charge points

Each charge point can offer a capacity of 22kWh (3 phase, 32 Ampere).

28 charge points

Each configuration consists of a maximum of 28 Type 2 charge points by combining 7 Companions with 1 Main.

125 Amp

The complete installation is based on a 125A Cee power supply.

Integrated UPS

UPS battery prevents incorrect shutdown of the PC

Industriële PC

The internal PC is suitable for industrial use and therefore shock and dust resistant.

Vello quality

Robust housing and A-quality components.

Load balancing

The intelligence of the system makes “load balancing” possible.

Priority charging

The system has a possibility to designate preferred charge points.

User-friendly software

For the operator, setting up and adjusting the configuration is easy.

Secure network

Communication with the OCPP is via a secure network.

Settlement options

Payment by the user is possible via the RFID reader with the fuel card, the ParkAndPower app, or with self-issued (temporary) RFID cards.

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