

chargeBIG6 – for apartment buildings or workshops

chargeBIG
powered by MAHLE



chargeBIG – a part of the MAHLE Group

MAHLE

chargeBIG6 – At a glance

In addition to the central charging solution from MAHLE for applications from 18 charging points for fleets or employer charging, MAHLE chargeBIG now offers a solution for smaller applications in the residential sector and for workshops.

Central charging distributor

The chargeBIG6 charging system consists of a central control unit – the MAHLE chargeBIG6 charging distributor – with up to 6 three-phase charging points with fixed cable and type 2 plug. The charging distributor contains all necessary electronic components such as charging controller, residual current circuit breaker and fuse.

Power

Depending on the configuration, the power requirements for the system amount to 25kVA, 43kVA or 86kVA, which distributes the load management to the charging points as required.

Loadmanagement

The load management is easy to parameterize to the available grid connection. The rotary switch can be used to set the maximum total current (maximum current across all charging points) to 36A, 63A and 125A. The available power is then evenly divided between the charging vehicles. The charging power can be set to 11kW or 22kW for all charging points via a switch without software.

Connection and billing

The charging infrastructure is easy to install, cost-effective and is connected to the grid via the household electricity meter. The billing of the charging processes and the connection to a charging infrastructure backend are not necessary.

Plug&Play mode

The charging points work in plug&play mode and can be activated via key switches if required.

All electronics in one small distributor

Status display

Visual charging status display via RGB LEDs directly at the charging system.

Simple user authentication

User authentication is possible via a key switch at the charging point.

Easy installation

The optimized mounting system allows easy installation by a single person without a lifting aid.

IP55 safety class II

The high-quality housing protects against splashing water and dust (can also be mounted outdoors). Thanks to the centralized approach, the charging points can also be installed in environments with direct sunlight.

Connection

Simple connection of existing household meters possible.

Three-phase charging

according to DIN EN 61851-1 Mode 3 with charging power 11 or 22kW.

Type 2 charging coupling

The permanently attached charging cable with type 2 charging coupling ensures easy and quick handling of the charging process.

All in one system

The charging system contains in the charging distributor all the technical devices required for the operation of charging infrastructure as RCD type A, DC residual current detection and line protection switches. The charging points are installed as wall brackets.



Benefits of chargeBIG6



Minimal maintenance cost due to central arrangement of components

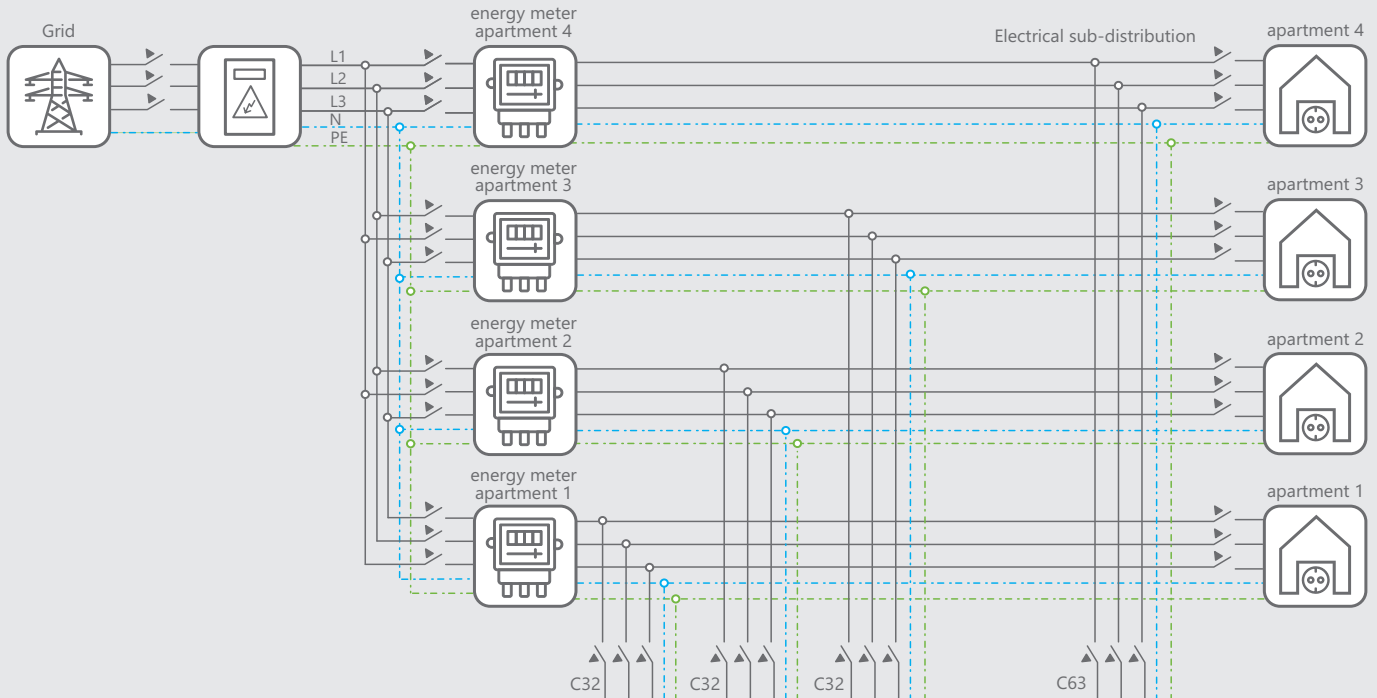
No running costs for billing or other subscriptions

Possibility to throttle the charging power via switch at the controller

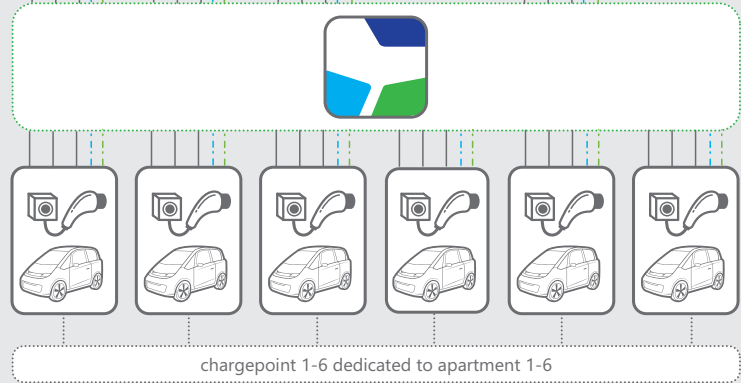
Size-optimized load distributor on a small installation area (LxWxD: 600x600x180mm) including overvoltage protection and temperature monitoring as well as outdoor capability with IP-55

Integration of existing fire alarm systems and emergency stop circuits via potential-free contact as standard possible

Connection scheme



The charging points in the apartment building can be connected to the respective electricity meter of the residential unit. In the commercial context, the charging points are connected via supply line.





The most important questions and answers

How fast can the MAHLE chargeBIG6 system be charged?

The charging points have a maximum three-phase charging power of 22kW, but can be throttled to 11kW.

How is the MAHLE chargeBIG6 system connected?

The system provides a single supply line for each charging point. This can be laid for example directly from the meter box of the respective user. Alternatively, the system can be connected with the chargeBIG6-AP01 expansion package with one or two common supply lines for all charging points.

What if not all six charging points are needed from the beginning?

Not needed charging points can be installed later. Further expansion of the charging points is possible at any time. However, the supply line for the first charging point must always be connected.

Non-binding enquiry via
our contact form:
chargebig.com/die-ladeloesung/chargebig6/

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