Intelligent load management

KeContact M20
Charging Management Controller

The solution for efficient load management

NEW
M20 Mini for
10 charging
points

KeContact M20 Charging Management Controller – the central control unit for the efficient control of a large, local charging network of KeContact wallboxes. Organise multiple charging stations easily and optimise the use of available power.

Intelligent load management for up to 200 wallboxes

KEBA knows all about intelligent charging management. The wallboxes of the KeContact P30 x-series have long enabled the power-dependent, dynamic control of up to 15 KeContact P30 c-series wallboxes. This smart control is needed wherever a large number of charging stations are integrated into the electrical system of a building: e.g. in spacious residential buildings, multi-storey or underground car parks, at hotels and in company car parks. In response to the expansion of electromobility and the associated demand for increasingly larger systems with more charging points, KEBA has developed a solution that enables easy scaling: the KeContact M20 Charging Management Controller. It allows optimal control of up to 200 wallboxes and thus also the performances of large charging parks with correspondingly large numbers of electric vehicles.

Control and manage charging processes with greater efficiency

The KEBA KeContact M20 Charging Management Controller serves as a central control unit for large local charging networks of up to 200 clients* and enables intelligent and efficient load management. This not only ensures the easy control and management of multiple wallboxes, but also optimises the utilisation of the available charging capacity. The KeContact M20 ensures that a predefined maximum pow-

er is not exceeded. In combination with an external meter, such as the KEBA KeContact E10 Smart Energy Meter or another compatible external energy meter, the KeContact M20 Charging Management Controller constantly monitors a building's primary electricity requirement. It releases the additionally available power to the charging stations and the electric vehicles. This ensures the optimal use of the existing building electrics for charging, and the connected load of a new building can be configured to be lower. This reduces the use of resources to the essentials, cuts expenses, and is sustainable. In addition, the charging stations can be grouped into up to 15 clusters according to the electrical installation (e.g. sub-distribution boards in a multi-storey garage) and corresponding load limits can be configured.

The advantages at a glance

- // Intelligent control of up to 200 wallboxes
- // Scalability of the charging infrastructure
- // Static and dynamic** load management
- // Central configuration via webinterface
- // Communication via LAN or mobile data (4G/LTE)
- // Compatible with various backend systems via OCPP
- // Create up to 15 charging station clusters that can be freely configured as a unit
- // Symmetrical and phase-correct charging to prevent unbalanced loads
- // Log all charging sessions for up to 3 months (stored locally)
- // Offline mode: Even if the internet connection is interrupted, load management is possible without restrictions and billing data is stored temporarily
- // CO_2-optimized product

KEBA

Automation by innovation.

KeContact M20 Charging Management Controller
The solution for efficient load management

Available in four variants

The KeContact M20 monitors charging processes and ensures balanced load management to prevent costly load peaks in the grid. KEBA offers the KeContact M20 Charging Management Controller in four product variants with different numbers of controllable charging points: depending on requirements, the KeContact M20 Charging Management Controller can control and manage up to 10, 20, 40, or 200 KeContact P30 c-series, P30 x-series, P30 company car wallboxes, as well as KeContact P40 and P40 Pro charging stations. This allows for mixed installations and the integration of both existing P30 and P40 / P40 Pro wallboxes.

Product details

// Number of controllable charging points: depending on the version, up to 10, 20, 40, or 200 clients

// Product colour: grey

// Dimensions: 189 mm x 33 mm x 128 mm

// Weight: 700 g

// SIM card format: 4FF nano

// Mounting: in the control cabinet on a top-hat rail or optionally on the wall (necessary wall bracket available as accessory)

// Scope of delivery: top-hat rail for mounting in the control cabinet, 230 V power supply unit, external LTE antenna (cable length 2 m), screwdriver

Creation of up to 15 charging station clusters

With the KeContact M20 Charging Management Controller, a charging network can be organised into 15 clusters. This allows existing network infrastructures (e.g. main distribution board, floor distribution board, etc.) to be mapped very easily.

Product designation	Number of controllable charging points	Communication interface	SIM card slot	LAN	LTE/4G	Article no.
KeContact M20 Charging Management Controller – small – LTE	10	OCPP	●	●	●	137 694
KeContact M20 Charging Management Controller – small – LTE	20	OCPP	●	●	●	128 767
KeContact M20 Charging Management Controller – medium – LTE	40	OCPP	●	●	●	122 008
KeContact M20 Charging Management Controller – large – LTE	200	OCPP	●	●	●	124 561

www.keba.com/emobility

KEBA®

Automation by innovation.