





MODULAR KIT

SUPPLIED BY BENDER UK



MODULAR

Build your own Charging Station ebee's modular kits are the perfect solution for chargepoint manufacturers looking to build their own charging solution!

FIRST, CHECK OUT OUR STANDARD KIT

Our standard modular kit is derived from our Chargespot Berlin and is suitable for similarly-sized charging station housing designs.

OR, CREATE YOUR OWN DESIGN

Variations on the standard modular kit are possible, after a consultation with our technical team. We can support you through a combination of our existing portfolio and our engineering and advisement services, which will be available throughout the entire modification process.

Ebee's technology roadmap guarantees we can provide you with state-of-the-art and future-oriented technology.

IT JUST MAKES SENSE

Ebee's approach enables you to focus on your business by providing a technical platform you can rely on. Our in-office engineers are ready to provide you with full technical support throughout your project.

OUR CONTROLLER

All ebee inside products, similar to the Chargespot Berlin, are controlled by the CC612 Charge Controller, designed and programmed by the ebee team and sold through our investor, the Bender Group. If you wish to purchase the Charge Controller separately, please contact us or use the link below to the Bender website:

www.bender-uk.com



Charge plug / socket	Type 2 socket (European standard with shutter), Type 1 cable & plug for US
Locking	Optional socket actuator and lock release module
Power rating	up to 22 kW
Standard compliance	ISO / IEC 62196, ISO / IEC61851-1 & -22, ISO / IEC15118 ready (Plug'n'Charge), energy management-capable
COMMUNICATION	
Mobile Network	2G (GSM, GPRS, EDGE), 3G (UMTS) & 4G (LTE)
Encryption	TLS
Protocol	OCPP 1.5 / 1.6 (with binary option, roaming capable)
Functionality	Authorization, remote-start, configuration, maintenance, monitoring, operating
USER INTERFACE	
Status Display	LED array (green, yellow, blue), LCD Display optional
Authorization	RFID (Mifare Classic, Desfire EV 2 and other 13.56 MHz RFID standards)
Access control	via App (iPhone, Android) or text message depending on backend
METERING	
Integrated meter	eHZ-EDL 21 / 40, other smart meters are optional
Meter display	Visible from the outside
Remote Meter access	Remote meter reading via SML, S0 and Modbus, meter status visible in backend
SAFETY	
RCD	Type A, Controller (CC612) integrated DC 6mA sensing system for Type B RCD
Compliance fuse	Depending on connection 10-32 A, single or three-phase
Housing Lock	Safety screws or double cylinder lock
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MOUNTING	
Housing	Transparent inside housing (polycarbonate) mounted on metal adapter plate
Dimensions (L x W x H)	130 x 140 x 640 mm
Power inlet	Attached cable: from H07RN-F 3 x 2,5 $\mathrm{mm^2}$ to H07RN-F5G6, depending on power rating
Inputs / outputs and operation	
USB1	USB devices (Ethernet, WLAN,)
SIM card	micro SIM

CHARGE SPOT

FEATURES (OPTIONAL) Communication

Load management Energy management Automatic release

Grid connection

Configuration & Firmware

Master for Master/Slave communication with up to 250 Slaves

Customer specific & dynamic distribution of power resources

Automatic charge plug release in the case of a power blackout

(USB, Ethernet, WLAN, RS485)

Directly connectable to the grid via USB or remote via backend



