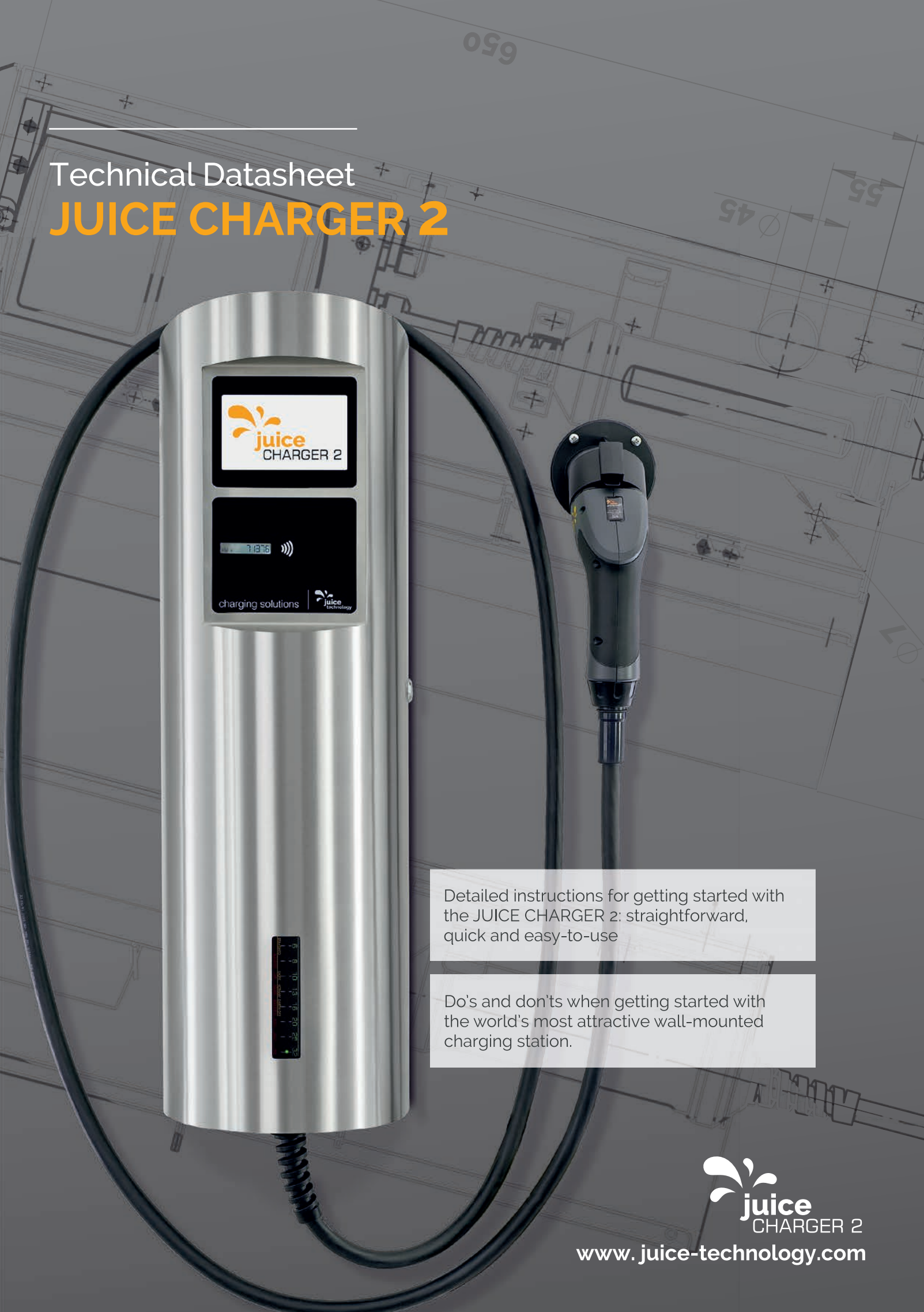
Technical Datasheet

JUICE CHARGER 2



Detailed instructions for getting started with the JUICE CHARGER 2: straightforward, quick and easy-to-use

Do's and don'ts when getting started with the world's most attractive wall-mounted charging station.

juice
CHARGER 2

www. juice-technology.com

JUICE CHARGER 2 - Key technical data

JUICE CHARGER 2 is an intelligent wall charging station with up to 22 kW charging power.

Identify, activate, control, pay. With an integral RFID reader and JUICE optional extras, JUICE CHARGER 2 has every option covered.

JUICE CHARGER 2 adds a touch of elegance and class to every wall. Reduced to the key visual essentials, this charger is elegantly simple. The high-quality chrome steel is robust and non-flammable, requiring no maintenance.

Dimensions	Height 820 mm, width 233 mm, depth 140 mm, cable length 3 m
Weight	approx. 8 kg (depending on the model)
Housing	1.5 mm brushed chrome steel housing
Protection class	IP65
Standards	IEC 62752, 62196, 61851, CE, EMV, RoHS

Voltage	230V/400V AC, 50Hz
Charging current	max. 32 A (1 or 3-phase)
Power output	max. 22 kW
Output/coupling	Type 2 (EN 62196), also as Type 1 (SAE J1772) on request
Operating temperature	-25°C to +45°C
Connection	5*6 mm2 (max. 10 mm^2)

Networking	Ethernet, RS485, 3G module
Activation	NFC (with credit card or mobile phone), RFID (with specially issued cards), web identification (look up by QR code or using the website address, e-mail activation), SumUp (payment terminal for debit and credit cards), etc.
Part of the Hubject payment system	OCPP 1.5, 1.6, 2.0
Management software	Accessible via browser: charging log, receipts issued, user management (e-mail addresses), whitelist management
Energy measurement	Integral meter, MID-certified

Key-operated lock	EMKA 2233X
Scope	Ready-assembled and pre-wired wall charging station, installation instructions

JUICE CHARGER 2 - Configuration

Basic model

JUICE CHARGER 2		**Robust** Extremely stable chrome steel housing, weather-resistant (splashproof and dustproof) **Super-quick installation** Choice of standard fixings, integral levelling, sturdy quick connectors. **Consistently successfully tested** We guarantee compatibility with all existing and new electric cars on the market with a Type 2 or Type 1 connector.

Options

Flex model		**Always flexible** So you can take the integral JUICE BOOSTER 2 with you on your travels
Display		**Extremely easy to use** Via an optional high-resolution touchscreen display
PayJUICE		**Easy to pay** with the option to use all standard payment methods, and of course all regular credit car
accessJUICE		**It couldn't't be more convenient** A camera is installed directly on the housing so that the charging station can be activated by number plate recognition.
smartJUICE		**Ready** The intelligence required for the smartJUICE load management system is already included in the basic version. You just need to connect it to a CPU and install the right software. See Sheet "smartJUICE - Technical Datasheet" for information on installing JUICE CHARGER 2 with load management.

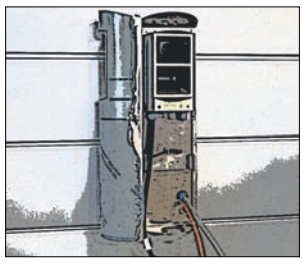
See video instructions here:

JUICE CHARGER 2 - Installation instructions

1

Preparation
- Open JUICE CHARGER 2 with the key provided.
- If using the Flex option: remove JUICE BOOSTER 2 so that you can access the cable glands.

Housing concept
The housing is designed to let water and air through.
The control unit is IP65, whereas JUICE BOOSTER 2 is IP67.

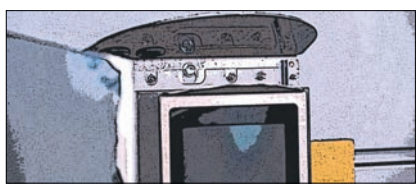


2

Installation options
- Depending on your specific situation, the power cable can be surface-mounted (from above or below) or flush-mounted.
- Fit the edge protectors provided at the required position.

3

Super easy to assemble
- Installation is a simple one-man job.
- Screw the upper mounting screw into the wall, attach the station, no need to align until the next step.



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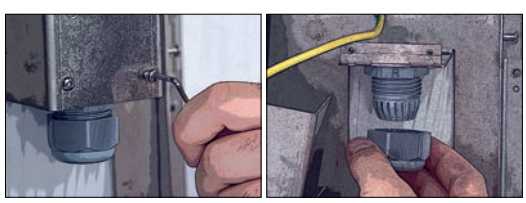
Easy to align
- The station is incredibly easy to align.
- Fix in position using the bottom two assembly holes.

5

Check under the cover
- Unscrew both screws on the power supply cover and remove the cover.
- Open the cable gland and remove the seal.



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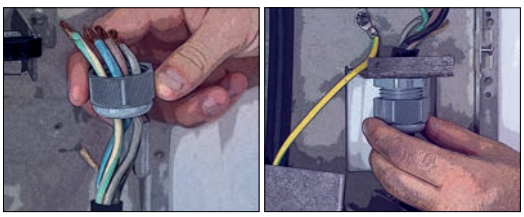
Insert the power cable

- Place the cable gland cover over the power cable and insert the power cable.
- Put the seal (split) back in place to seal the control unit (IP65) and close the cable gland.



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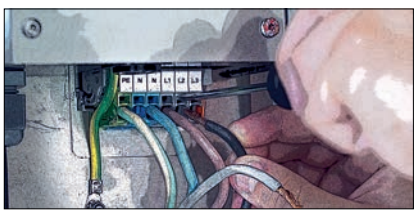
Connect, get ready, go!

- Connect the power cable to the spring-type terminals in accordance with the labels.



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Put it all back together

- Position the power cable cover and screw back into position using the two screws.

9

Plug in and play

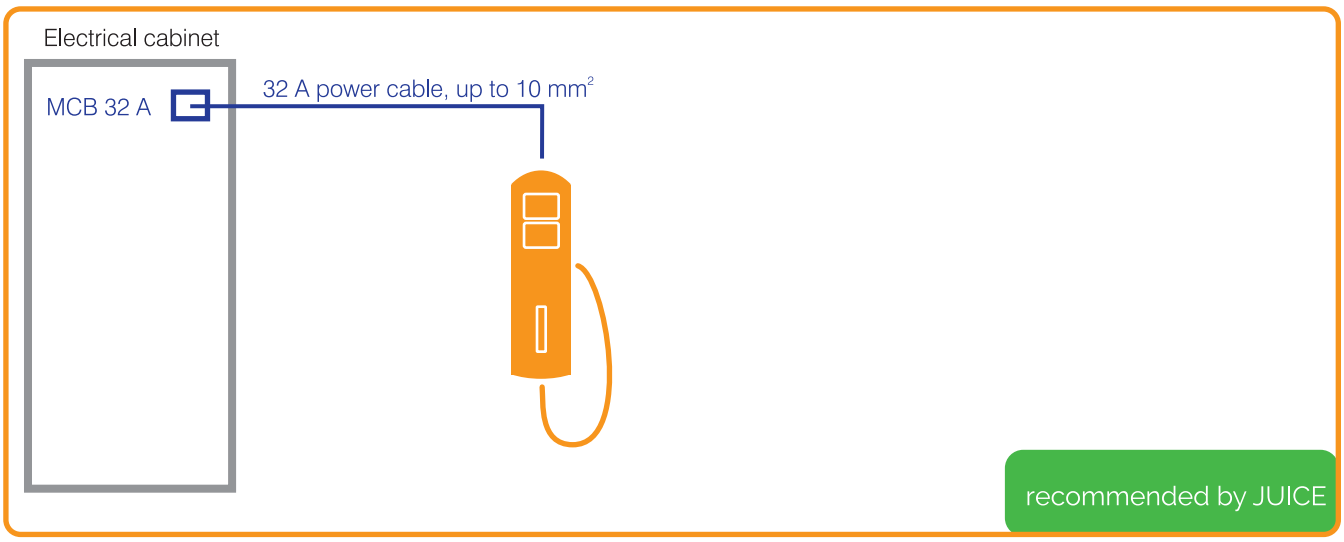
- Plug the Ethernet cable into the Ethernet port directly on the control unit.

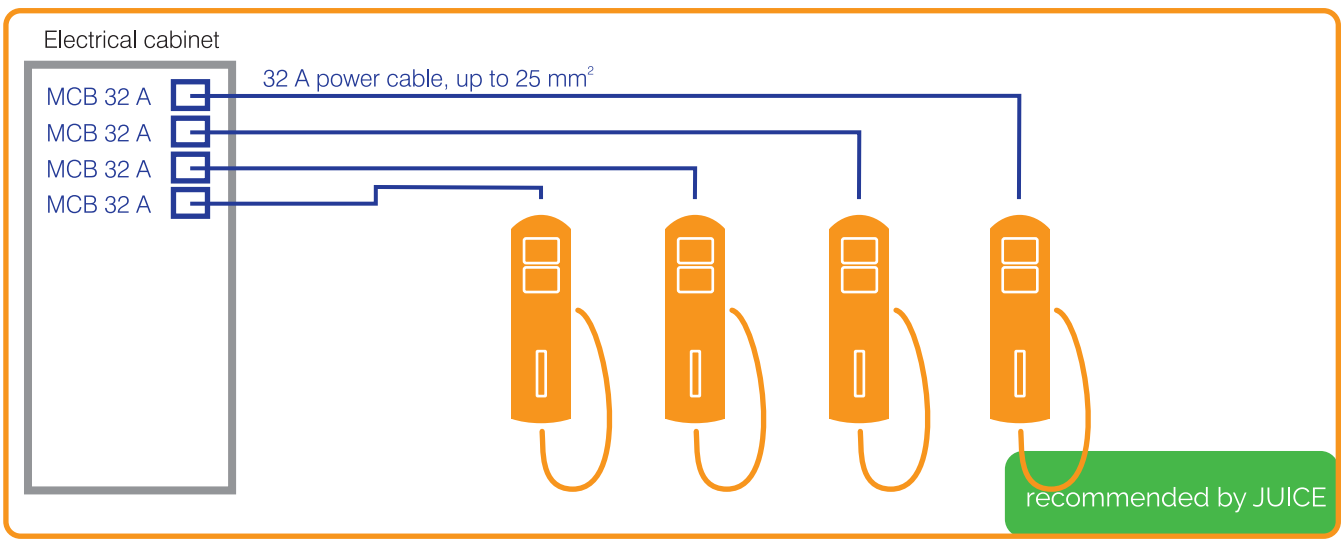
10

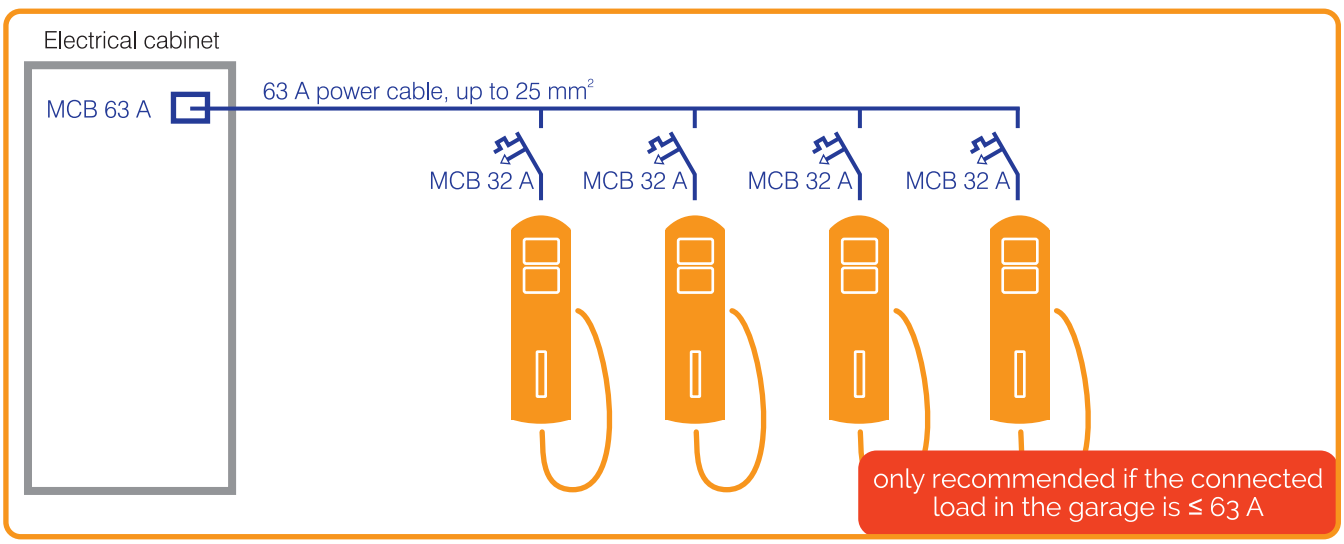
Last lap

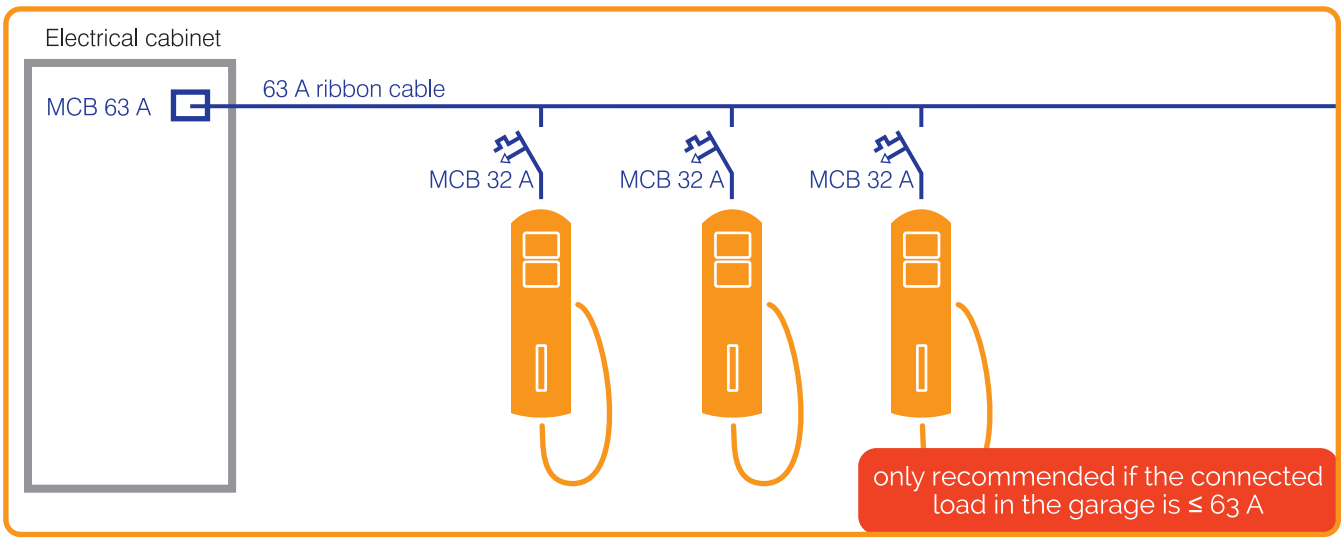
- Carry out standard tests.
- If using the Flex option: Insert JUICE BOOSTER 2.
- Lock JUICE CHARGER 2 with the key.
- Remove the protective film from the chrome steel housing.
- Clean the chrome steel housing with a clean cloth.
- Hand the key to the owner.

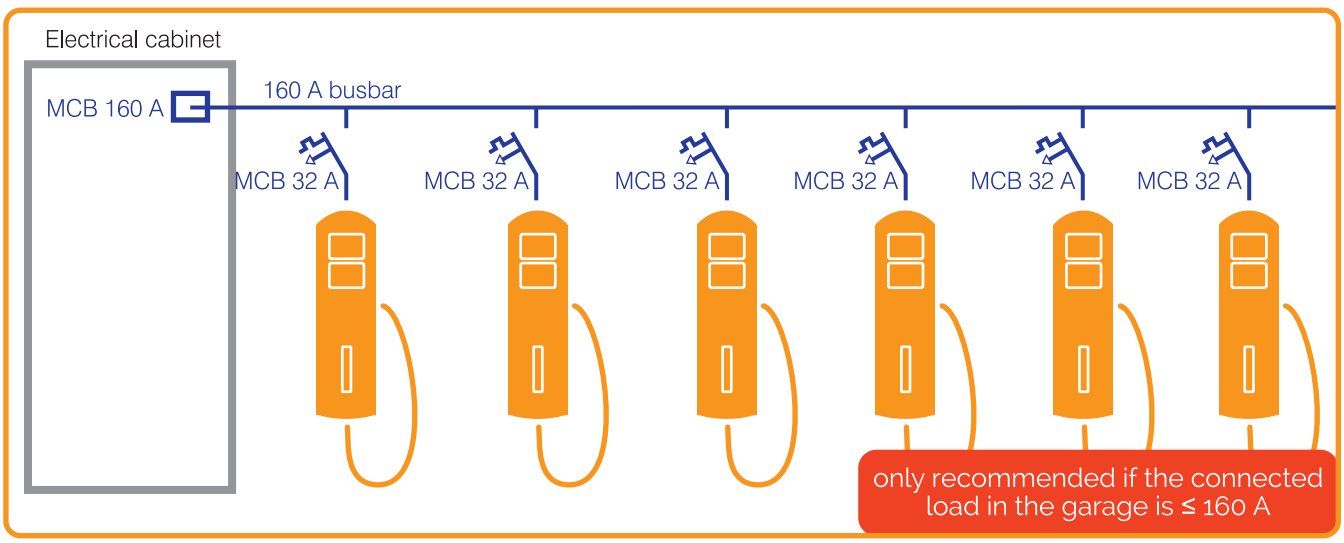
JUICE CHARGER 2 - Possible installation scenarios

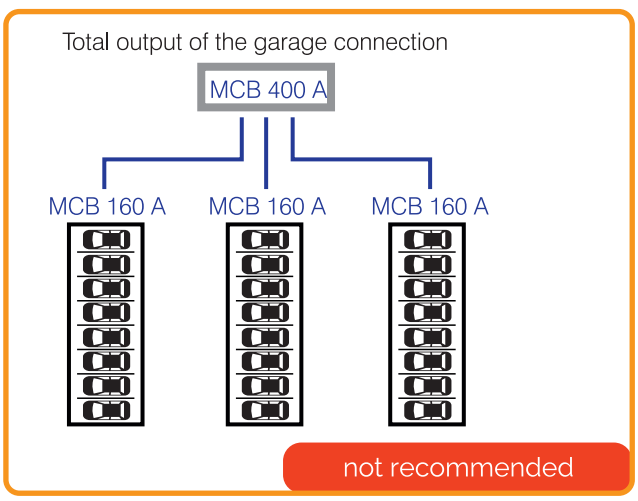


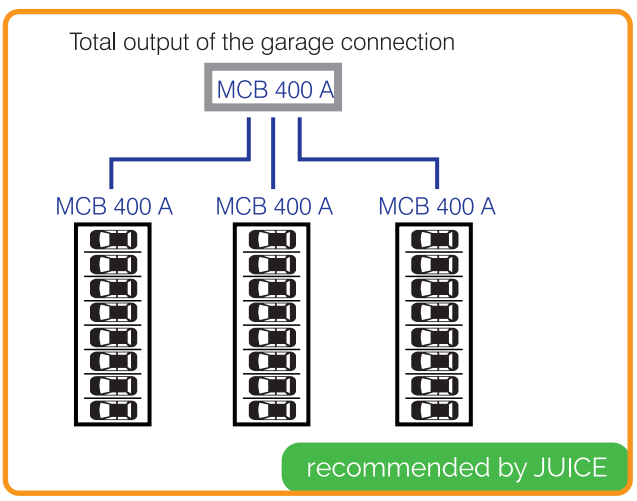






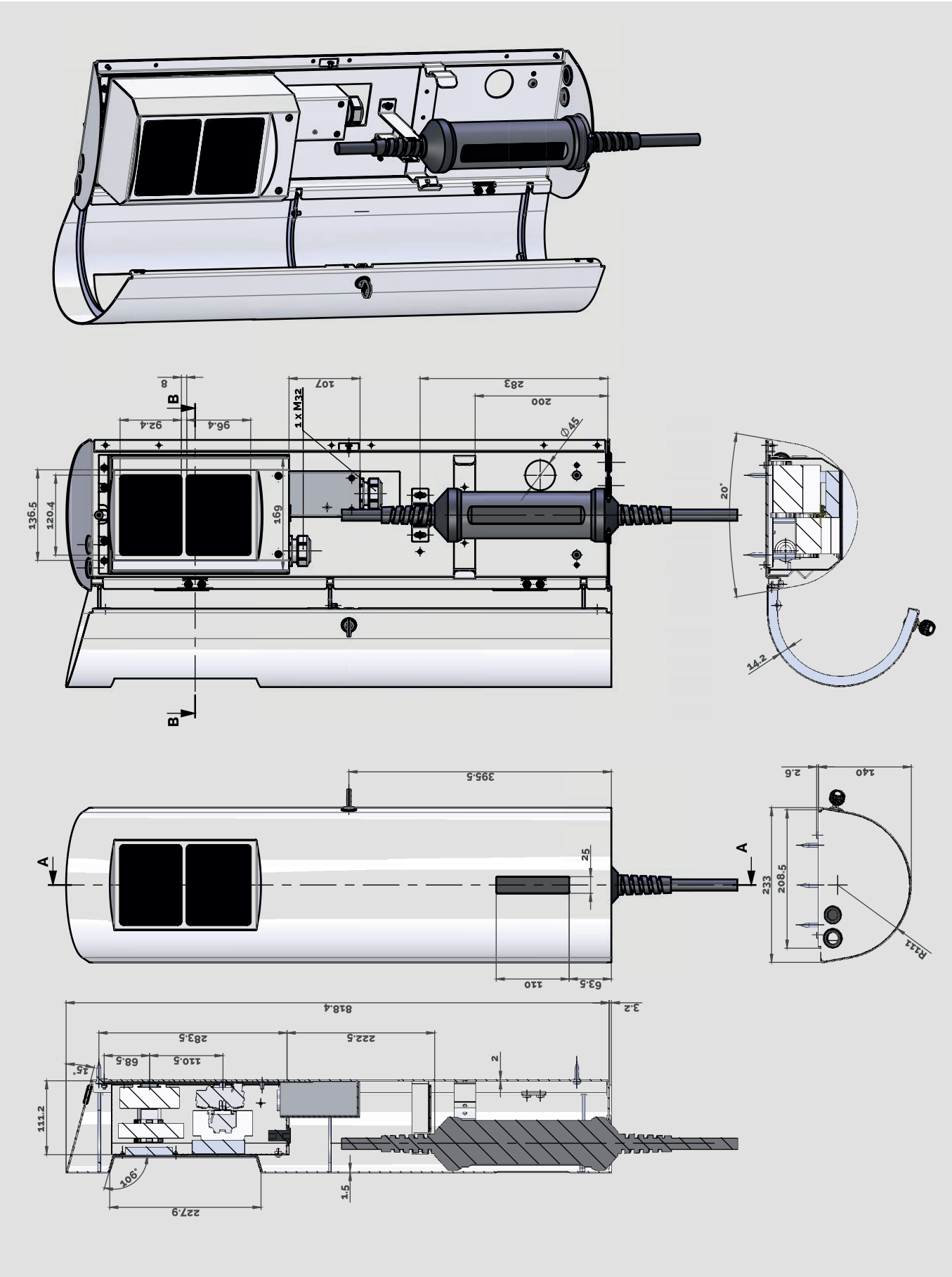






supplied by JUICE

Power

These installation scenarios are not recommended by JUICE, or are only recommended if the total output of the garage connection can be connected to all stations. **Otherwise this will massively restrict the load management function.**

JUICE CHARGER 2 - Drawing