





Advantages of the Ion charging station at a glance

- Charging power can be adjusted: 1.4 to 22 kW
- With a manual switch of the charging power to 11 kW, the Ion charging station can be subsidised
- PV-optimised charging via Modbus or an enabling contact
- Can be integrated via enabling contact: Ripple control receiver, timer, RFID module and smart home technology
- Permanently installed 5 m charging cable with type 2 connector for all standard vehicle types
- Simple to operate with pressure or key-operated switch and status lamp
- IK08 and IP66: The robust version of the Ion charging station
- With Green Zero Switch: 0.0 kW standby consumption
- Extra weather protection and surge protection T2+D1 optional

Model overview

Ion Basic Item no.: 6570020	With pressure switch, without surge protection	
Ion Key Item no.: 6570022	With key switch, without surge protection	
Ion Basic Protect Item no.: 6570024	With pressure switch and surge protection	
Ion Key Protect Item no.: 6570026	With key switch and surge protection	
Weather protection cover Item no.: 6570105	For Ion Basic/Key	
Weather protection cover Item no.: 6570107	For Ion Basic Protect/Key Protect	

Additional OBO solutions to connect you to the future

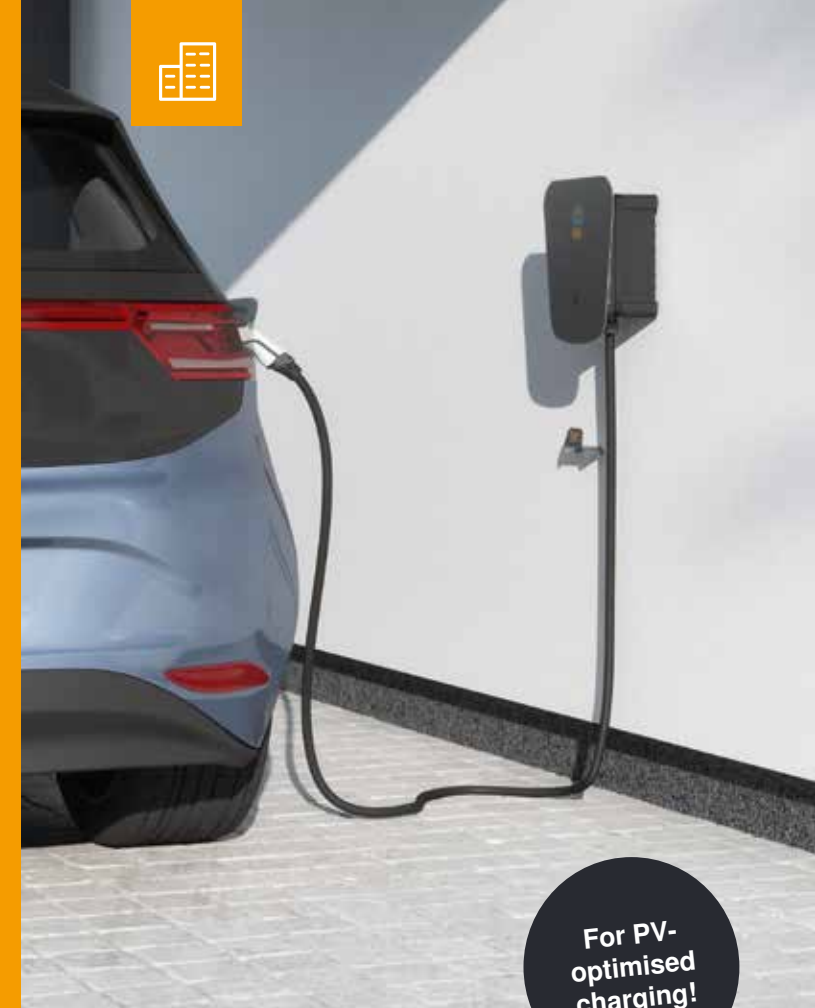
OBO wouldn't be OBO if we didn't offer additional system solutions connected to PV-optimised charging with the Ion charging station. This includes surge protection, which can be integrated into the Ion charging station as an option, additional surge protection solutions in the low-voltage distributor, and solutions for the fireproof routing of cables - or a comprehensive selection of cable support systems for cable routing, for example in underground car parks.

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Simple, safe, considered.

The OBO Ion charging station



Get going towards electro-mobility

Electro-mobility is revolutionising our world. This applies to both vehicles and the charging infrastructure. With the Ion charging station, OBO offers a reliable solution for the relaxed PV-optimised charging of electric vehicles – at home or even for the entire vehicle pool on a company's site. The impact-resistant housing according to IK08 makes it extremely robust and, with a protection rating of IP66, it can be used in both indoor and protected outdoor areas. A weather protection cover is available as an option.

Electricity
subsidies
possible

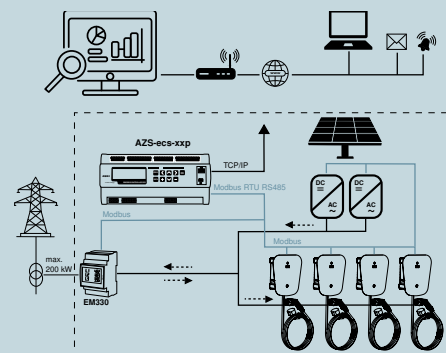
Charge electric vehicles sustainably and efficiently with solar power!

Well-thought-out technology, simple mounting, tailor-made safety: With the Ion charging station, your customers have two options for PV-optimised charging.

Dynamic control for load management and for PV-optimised charging

The OBO Ion charging stations can be dynamically activated directly via external Modbus RTU 485 controllers. This means that the following functions can be controlled, amongst others:

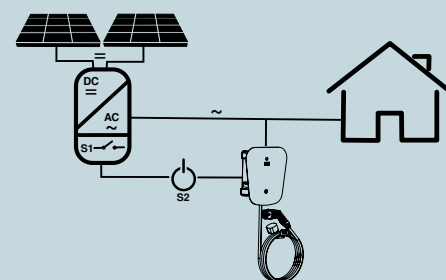
- PV excess charging
- Dynamic load management
- Digital authentication via web or app



PV-optimised charging via an enabling signal

Here, the charging operation of the Ion charging station is controlled by an external unit sending a signal when a previously set PV energy excess is reached. These include:

- Photovoltaic inverter
- Ripple control receiver
- Timer, key switch/numeric lock/Rfid module
- Smart home technology



If necessary, with integrated surge protection according to DIN VDE 0100-443

For locations with a feed line of more than 10 metres in length or without a construction-side surge arrester, OBO can offer a variant with integrated type 2 + D1 surge protection for the data cables.

Available in open or closable versions

In easily accessible car parks, the use of the variant with key switches is recommended. The variant with pressure switch can also be used for locations which are reliably protected against unauthorised access (e.g. private garages).

Protection against wind and weather

The OBO Ion charging station is intended for indoor areas or protected outdoor areas. Should there be additional requirements on account of an exposed location, then the optionally available weather protection cover offers additional protection and comfortable use.