



# HIGH POWER CHARGER

CHARGE-V offers an intelligent charging system that guarantees sustainable business models by cross-linking electromobility and the energy industry.



## CHARGING AS A BUSINESS MODEL



### **SIMPLE PAYMENT**

#### **Customer-friendly billing options**

Authentication and contactless payment via RFID, NFC (EC & credit card) and app.



### **POWER CHARGING**

#### **Low installation costs**

The ready-to-connect pre-installation and the base for mounting enable efficient and practical commissioning.



### **BUSINESS INSIGHT**

#### **GHG\*-quotas and eco-power**

With our GHG-quota expertise, we can advise you on profitable commercialisation. (GHG\*: Greenhouse gas)



### **FACING THE FUTURE**

#### **Optimized grid connection costs**

Pay only as much grid fee and BKZ as necessary. The charging power can be adapted to the charging situation.



### **STORAGE AND SOLAR**

#### **Optimum performance**

All charging stations can be combined with a grid-connected storage system and a PV system. Energy trading is managed by a SEtrade Autotrader.



### **BUSINESS PLANNING**

#### **Planning software**

CHARGE-V offers free software to create bankable business plans, from simple charge points to complex combined power plants.

CHARGING SYSTEMS

# PRODUCT PORTFOLIO



## COMPACT 80

ALL-IN-ONE SYSTEM  
2 x 40kW DC  
Automatic power switching  
to 1 x 80kw



## SMART 500

CHARGING STATION  
2 x 500kW DC



## SMART 160

CHARGING STATION  
160kW DC & 22kW AC



## MASTER 480

POWER UNIT  
FOR 3 DC-CHARGING POINTS



## MASTER 720

POWER UNIT  
FOR 12 DC-CHARGING POINTS

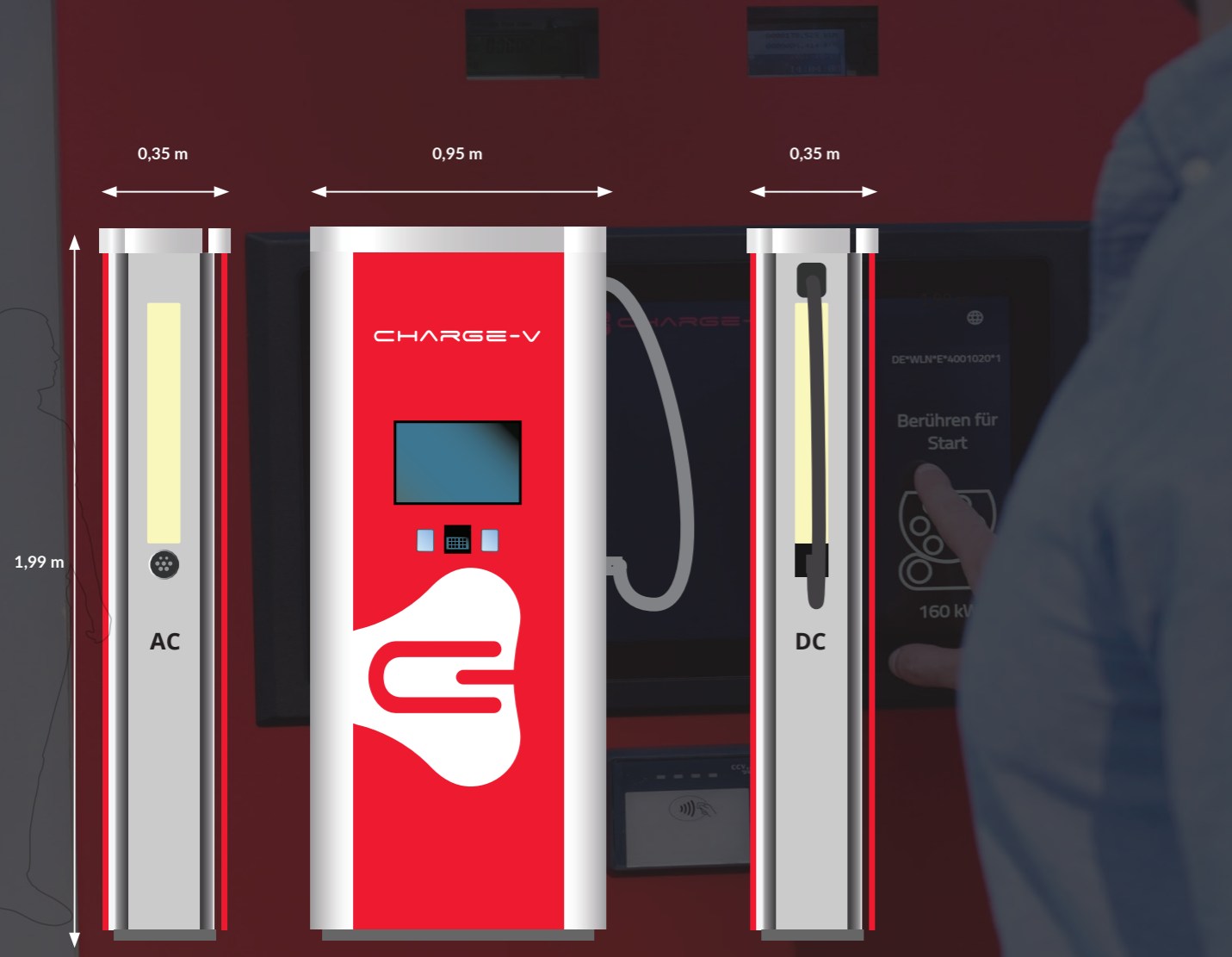
# FRONT TERMINALS

# POWER UNITS

# CHARGE-V

CHARGING STATION

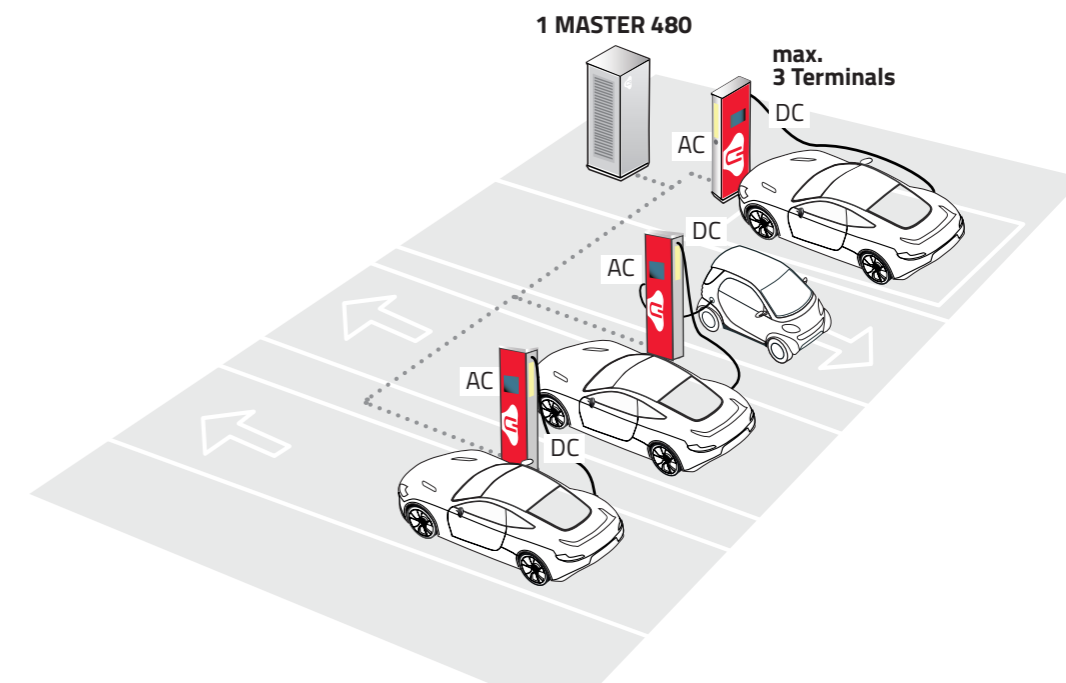
## SMART 160





The 160kW powerful SMART 160 of the CHARGE-V has an innovative cable management system. The DC charging cable can be pulled out to a total length of 6.5 metres. This allows the customer an easy handling during the charging process.

## FLEXIBLE USABILITY

The DC cable pull-out and the compact size allow flexible positioning of the stations: for example, at the front of the car slot or between the parking spaces. This allows customers to charge conveniently and efficiently without time-consuming manoeuvring.



  
**SCALABLE SATELLITE CONFIGURATION**

  
**LOW NOISE EMISSION**

  
**VARIABLE SYSTEM SETUP**

  
**USER FRIENDLY TOUCH SCREEN**

  
**INNOVATIVE CABLE PULL-OUT SYSTEM**

  
**AMBIENT LIGHTING**

  
**SMALL CO<sub>2</sub> FOOTPRINT**

  
**BARRIER-FREE PAYMENT OPTIONS**



POWER UNIT

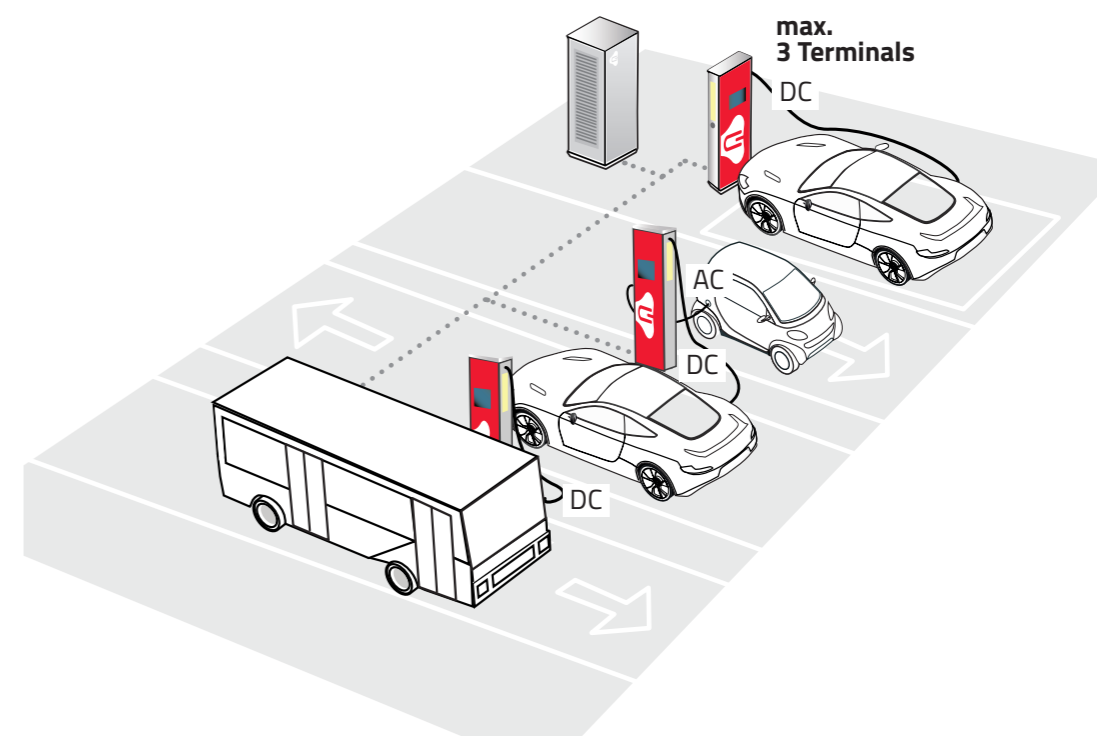
## MASTER 480



The MASTER 480 of the CHARGE-V is a modular power unit with an output of up to 480 kW. This allows the simultaneous supply of three charging stations with 160kW at a low noise level.

## MAXIMUM USAGE

The charging power of the MASTER 480 can be adapted to the charging situation as required. Due to the input power of max. 546kVA a charging capacity of 3 x 22kW (AC-charging) and 3 x 160kW (DC-charging) can be achieved.



Power supply for three charging stations simultaneously



Max. charging power 160kW per DC charging point



Demand-orientated performance adjustment



Dynamic power management



CE Declaration of Conformity  
DIN 61851-1,  
DIN 61851-21-2,  
DIN 61851-23



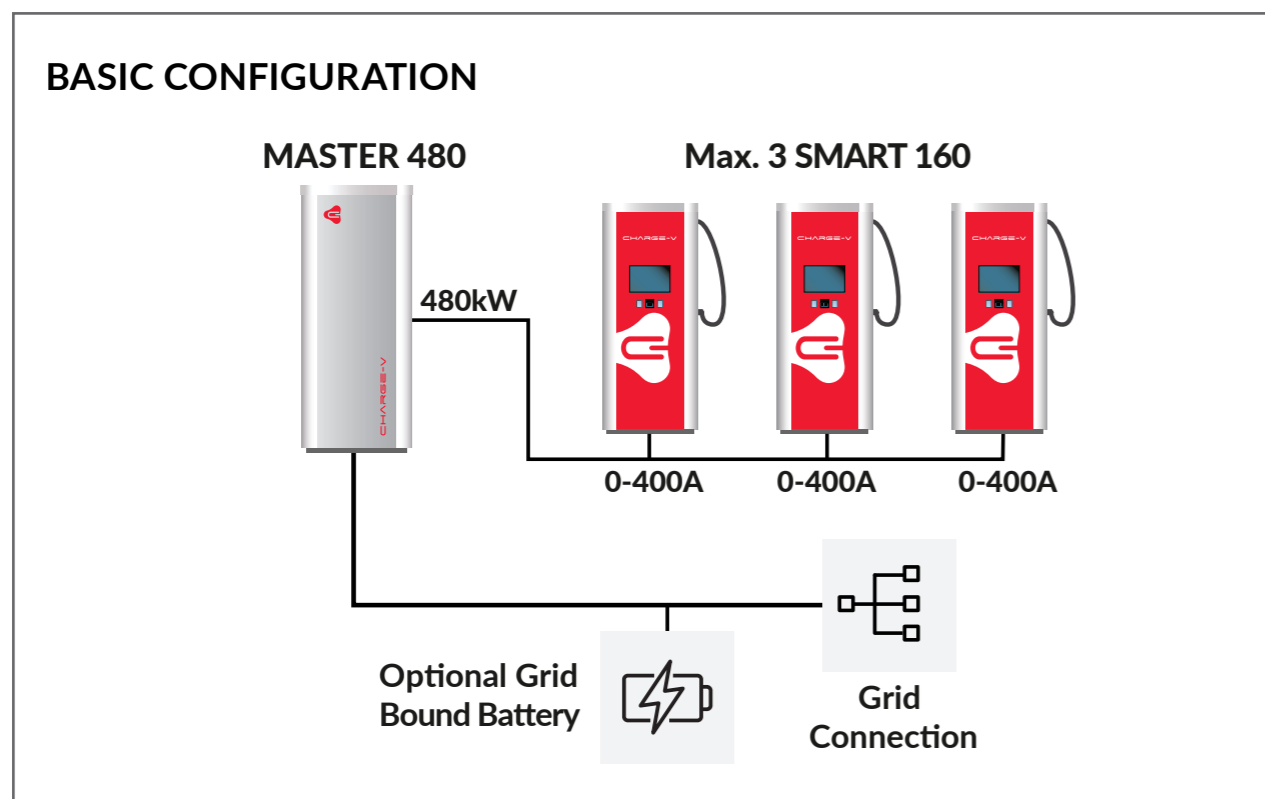
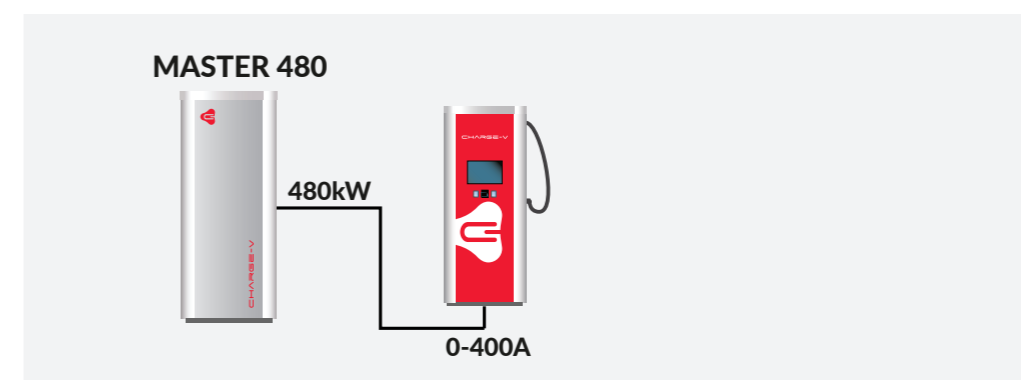
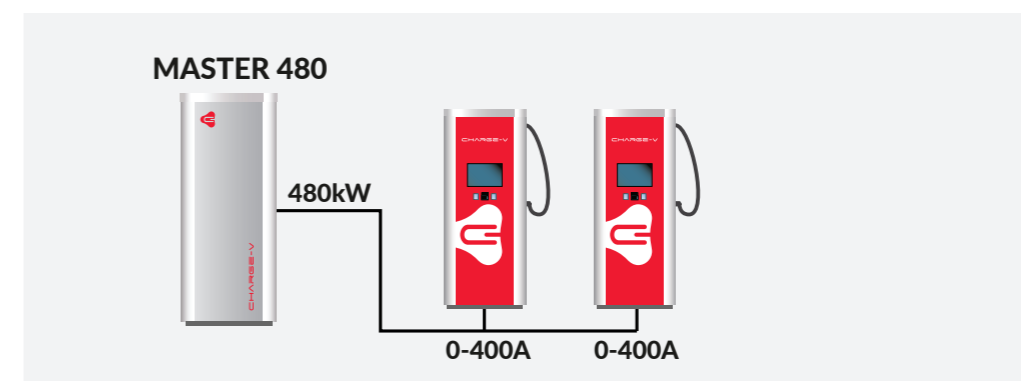
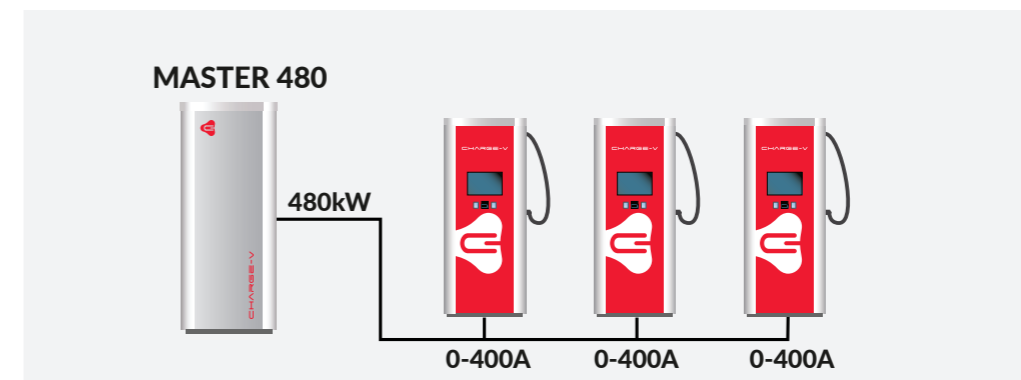
SYSTEM STRUCTURE

# CHARGING SYSTEM 3 x 400A

Depending on the grid connection and power requirements, the system design enables a simultaneous power supply of 160kW per charging station:

- Demand-orientated charging power adjustment
- Max. 6 charging points per total system and max. 480kW per MASTER 480
- Max. 3 DC charging points with 160kW per charging station
- (3 x 160kW DC and 3 x 22kW AC)

Example: Charging system MASTER 480 & SMART 160



  
**SCALABLE**

  
**DYNAMIC  
POWER  
MANAGEMENT**

  
**COST-  
EFFICIENT**

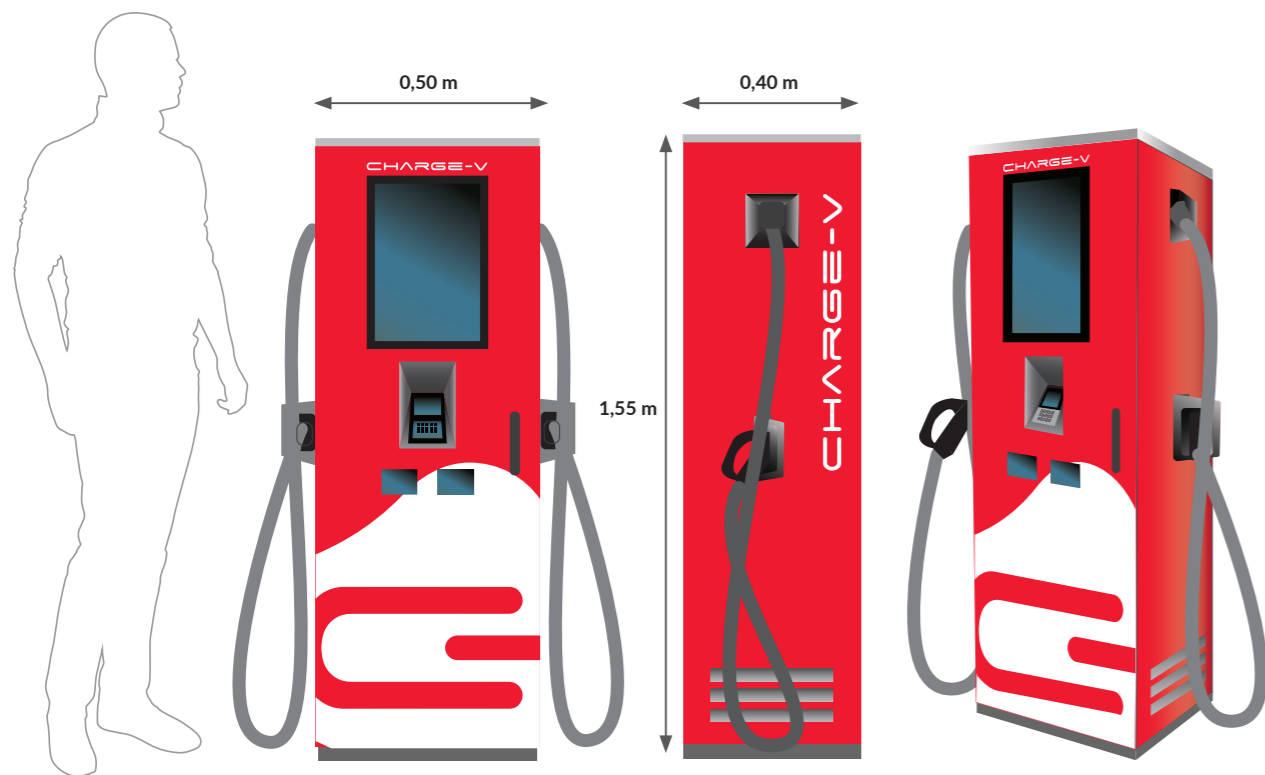
  
**FLEXIBLE**



CHARGING STATION

# SMART 500

COMING  
SOON

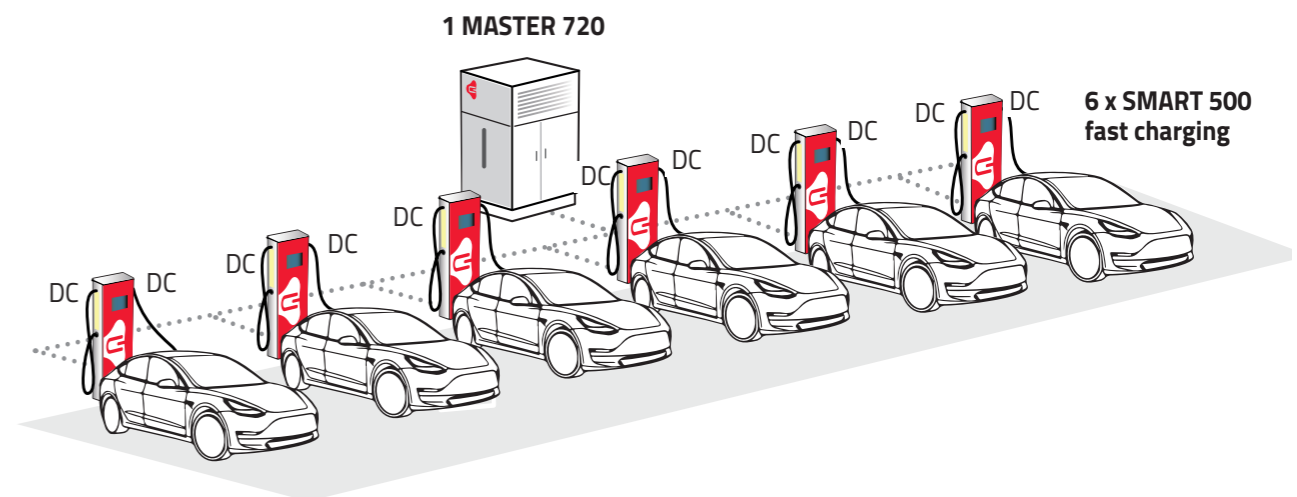


The CHARGE-V's 2 x 500kW SMART 500 can be used in a flexible manner in various applications and offers the charging station customer a high level of user-friendliness thanks to the large touchscreen and the already integrated pin pad.




## FAST CHARGING GUARANTEED

Due to various combination options, different applications can be covered with the charging system. In combination with the MASTER 720, up to 12 electric vehicles can be supplied with power at the same time.



  
**DYNAMIC  
POWER  
MANAGEMENT**

  
**LOW  
NOISE  
EMISSION**

  
**VARIABLE  
SYSTEM  
SETUP**

  
**USER FRIENDLY  
TOUCH  
SCREEN**

  
**2 INTEGRATED  
FAST CHARGING  
POINTS**

  
**AMBIENT  
LIGHTING**

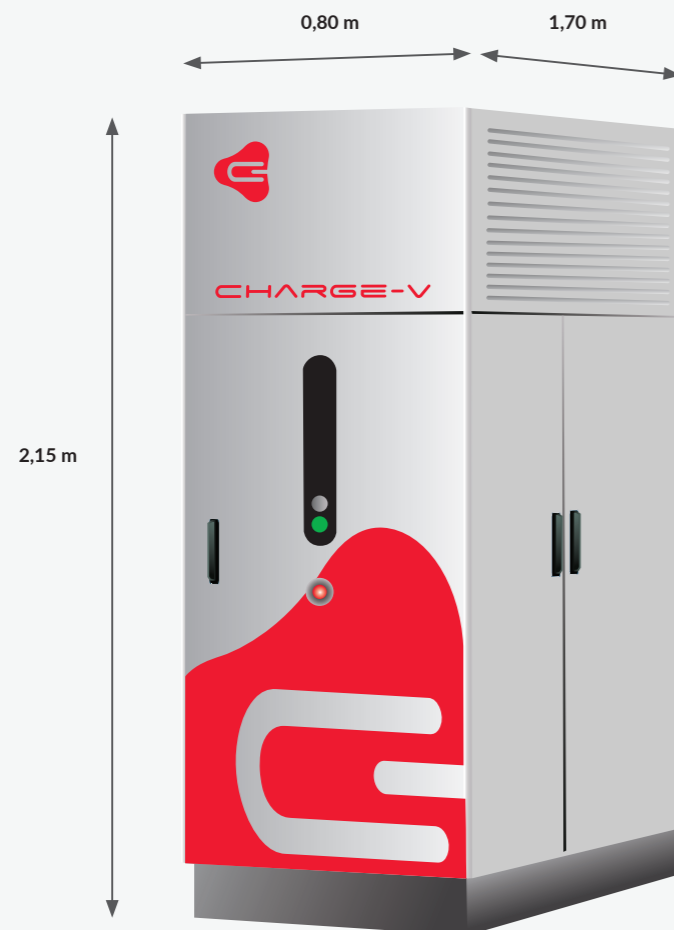
  
**SMALL CO<sub>2</sub>  
FOOTPRINT**

  
**BARRIER-FREE  
PAYMENT OPTIONS**

POWER UNIT

# MASTER 720

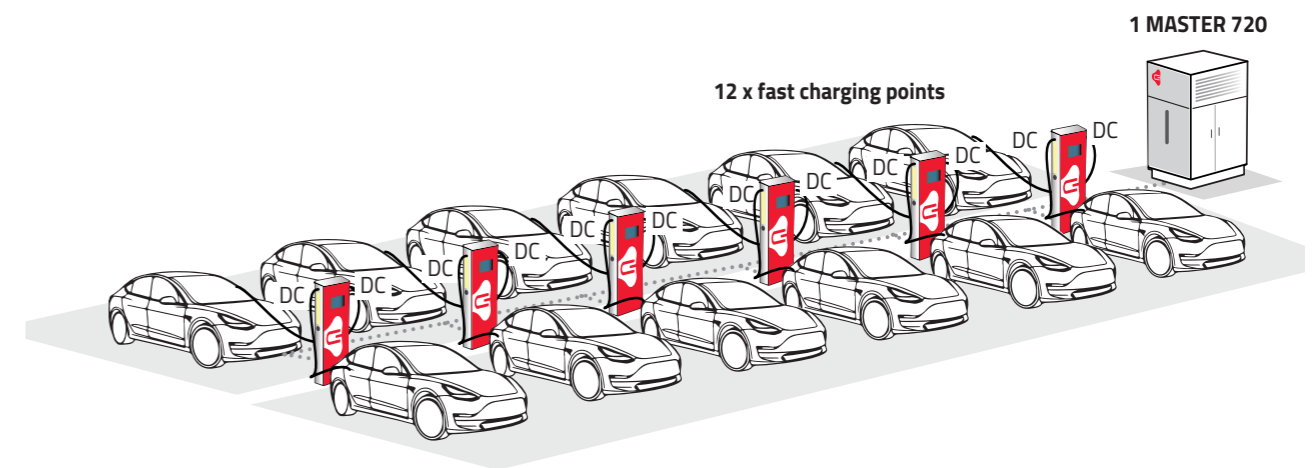
COMING  
SOON



The MASTER 720 power unit of the CHARGE-V is a modular power unit that can supply up to twelve charging points simultaneously. The innovative liquid-cooled architecture ensures improved charging and the highest quality.

## MAXIMUM POWER

The CHARGE-V's MASTER 720 is the liquid-cooled centrepiece of an ultra-fast DC charging system for public charging stations and other locations. This power unit offers a maximum output of 600kW per power supply unit and supports up to 12 outputs.



Power supply for  
12 charging points  
simultaneously



Power supply  
of up to  
600kW per  
charging point



Demand-  
orientated power  
adjustment  
(60kW steps)



Scalable  
Satellite  
configuration



CE Declaration  
of Conformity  
DIN 61851-1,  
DIN 61851-21-2,  
DIN 61851-23



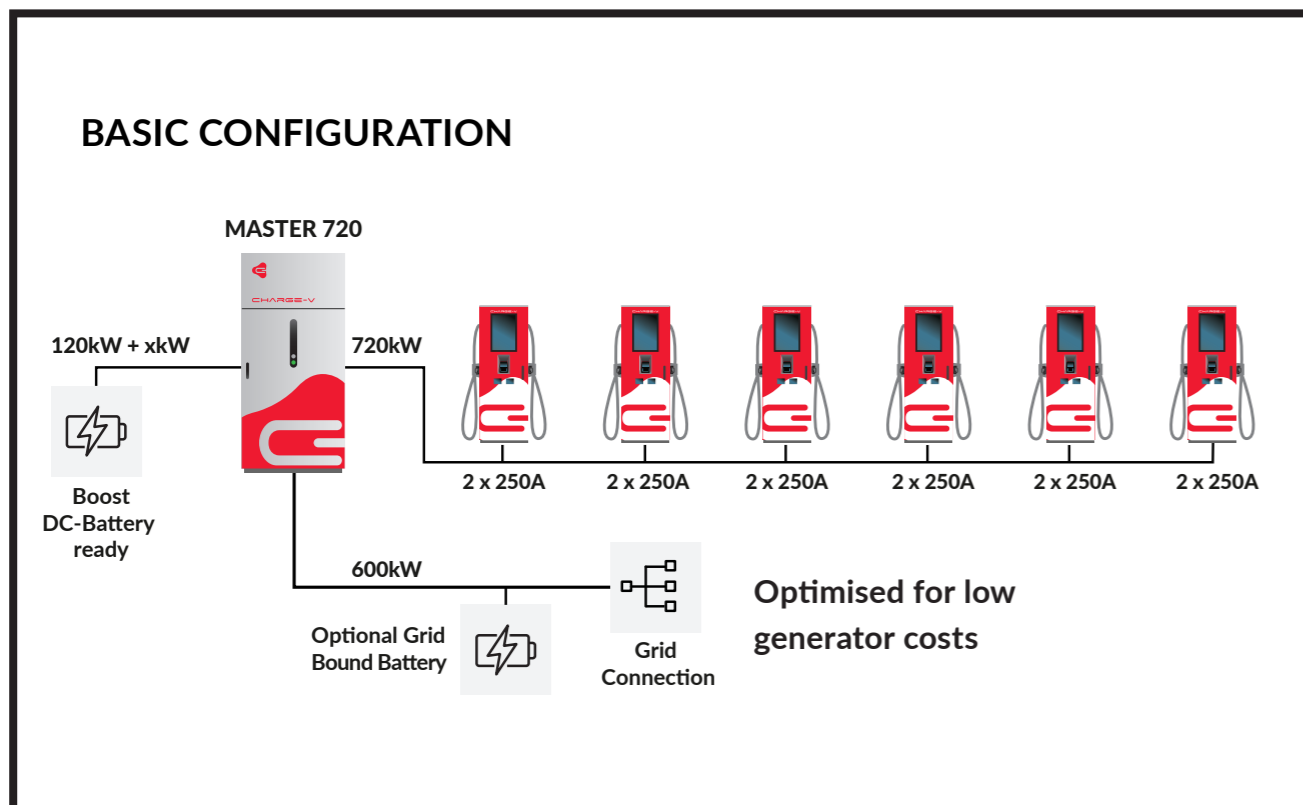


SYSTEM STRUCTURE

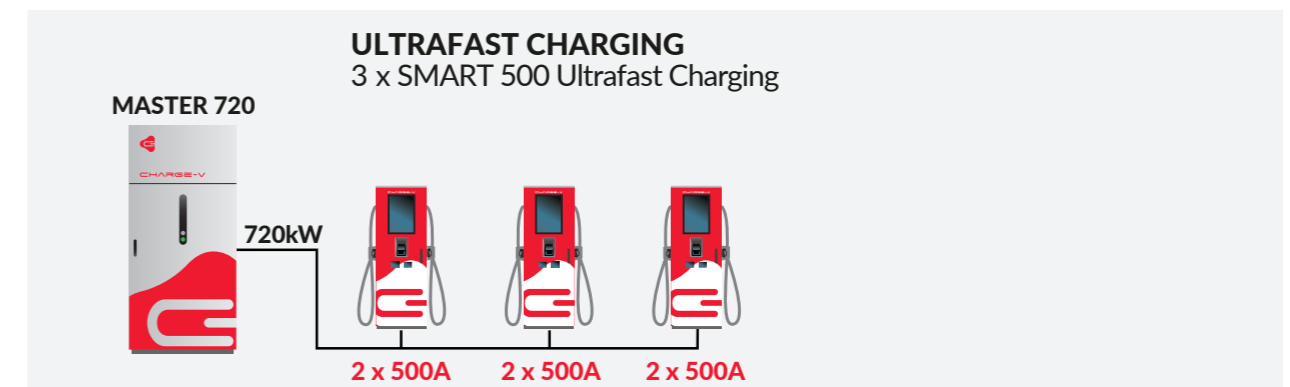
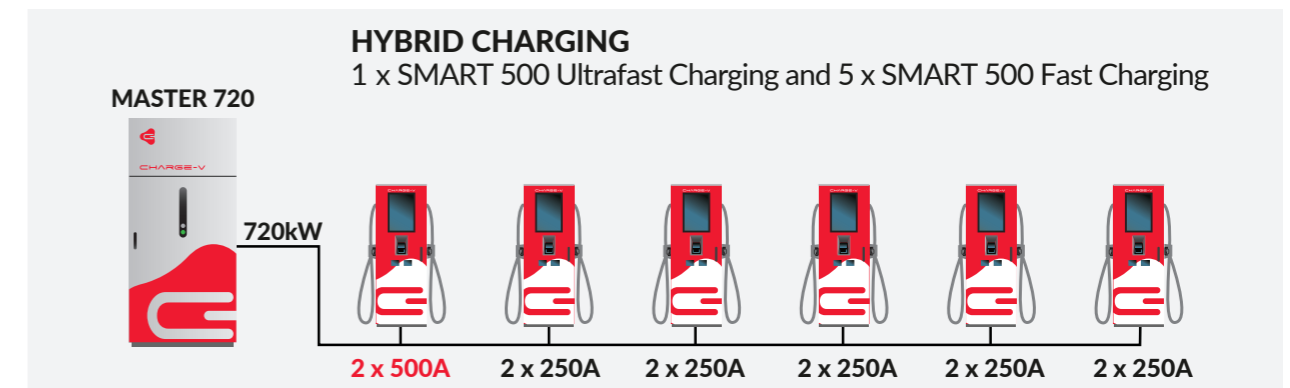
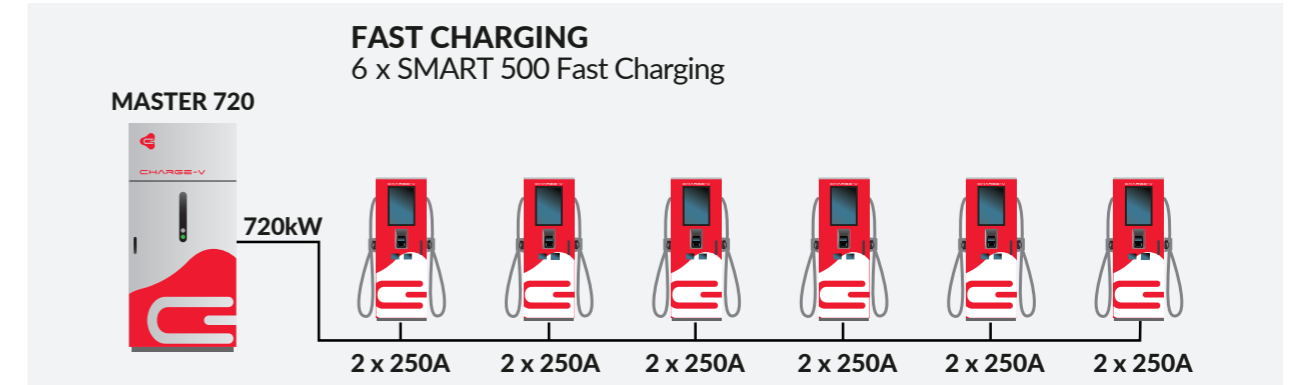
# CHARGING SYSTEM 12 x 250A/6 x 500A

Depending on the grid connection and power requirements, the system design enables a simultaneous power supply of up to 500A per charging point:

- Demand-orientated charging power adjustment
- Max. 500kW per DC charging point
- Various configuration options (250A / 500A per DC charging point)



Example: Charging system MASTER 720 & SMART 500



SCALABLE



RESOURCE-SAVING



COST-EFFICIENT

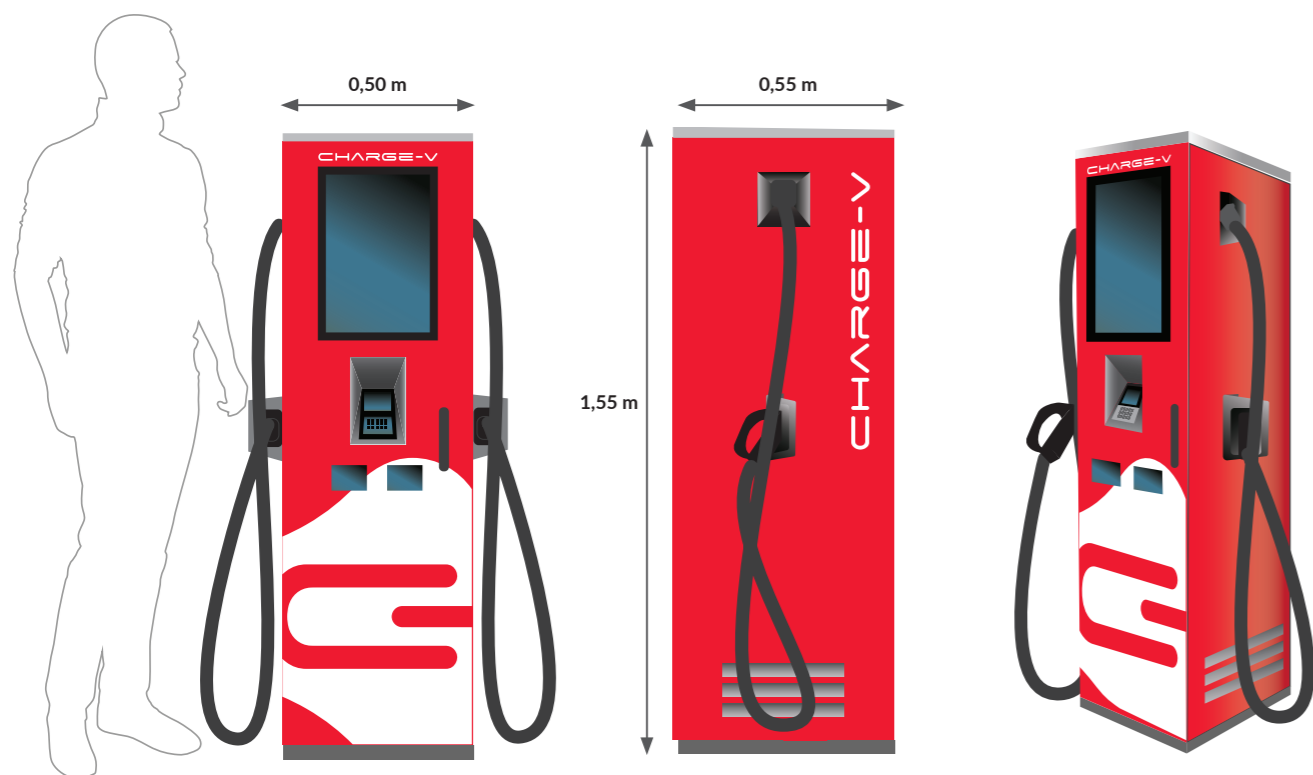


FLEXIBLE



ALL-IN-ONE SYSTEM

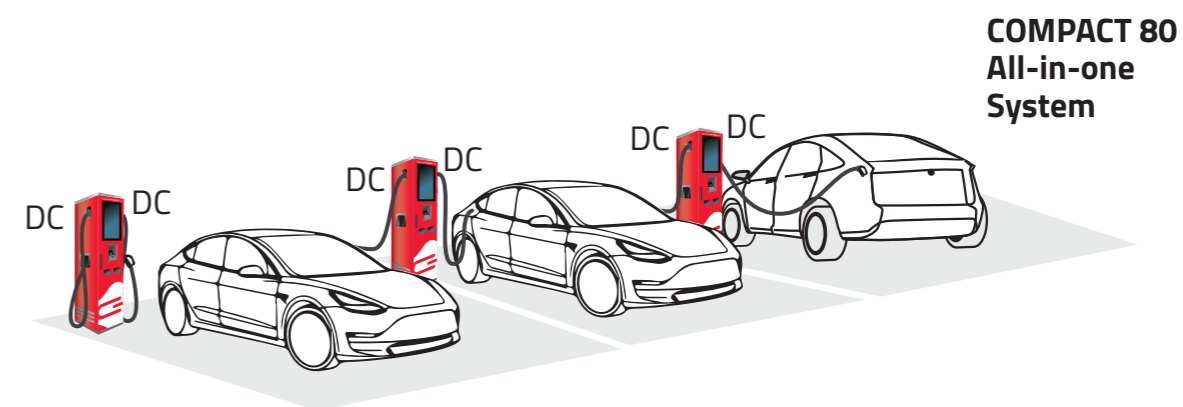
# COMPACT 80



The COMPACT 80 can be used flexibly in urban traffic thanks to its compact size. It has two 40kW DC charging points and integrated power electronics. By charging with a single vehicle the full DC charging power of 80 kW can be utilised through an automatically power switch.

## FLEXIBLE SYSTEM EXPANSION

The COMPACT 80 stand-alone charging station is equipped with two DC connections: this allows two electric vehicles to charge simultaneously at 40 kW each. If only one vehicle is being charged, the full DC charging power of 80 kW can be utilised.



2 x 40KW  
OR  
1 x 80KW



LOW  
NOISE  
EMISSION



VARIABLE  
SYSTEM  
SETUP



USER FRIENDLY  
TOUCH  
SCREEN



2 INTEGRATED  
CHARGING  
POINTS



AMBIENT  
LIGHTING



SMALL CO<sub>2</sub>  
FOOTPRINT



BARRIER-FREE  
PAYMENT OPTIONS



CUSTOMISED BRANDING

# WHITE LABEL



We offer sustainable mobility solutions.

The CHARGE-V charging systems with their future-oriented technologies, offer sustainable mobility solutions for solar park operators, companies with e-vehicle fleets, petrol stations, municipal utilities and shops.

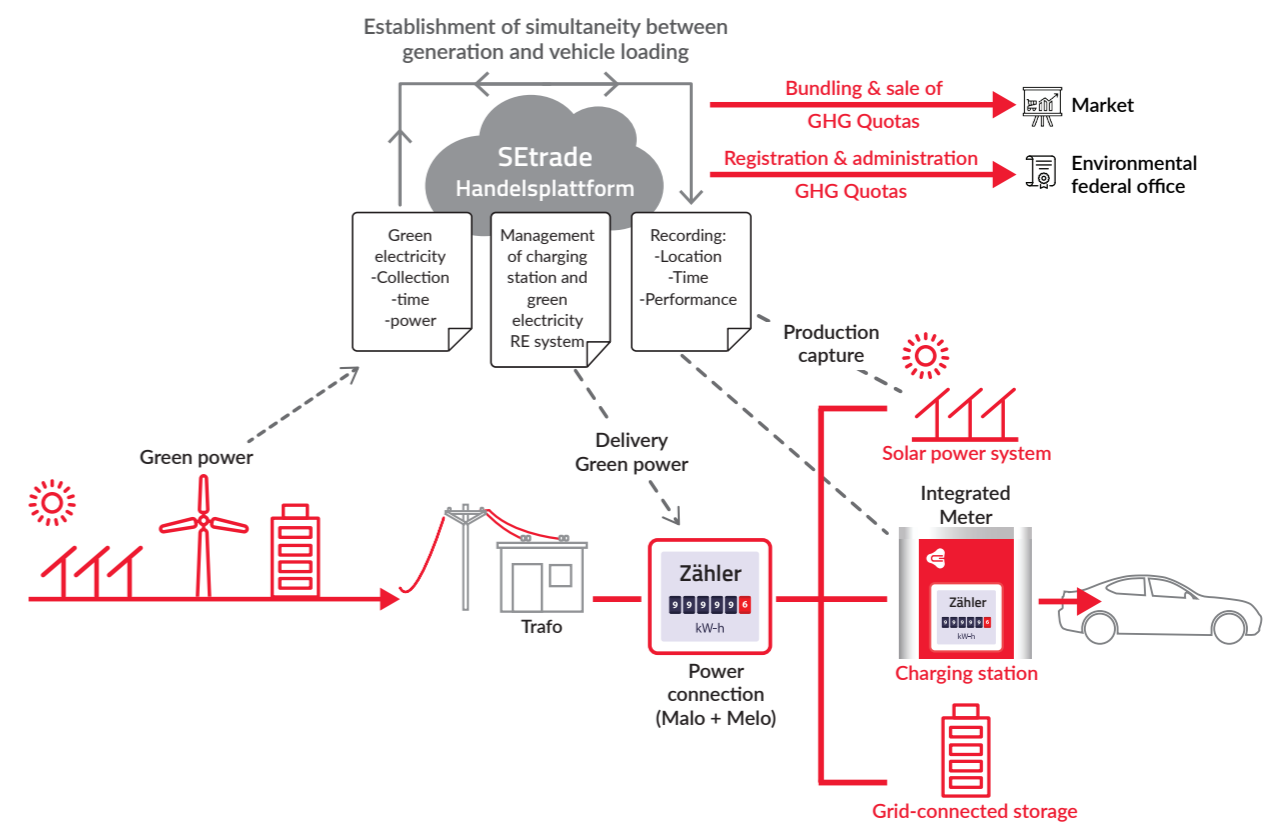
Make your mobility infrastructure more efficient and reduce your ecological footprint now with our charging systems - towards the future.



## SUSTAINABLE REVENUES THROUGH GHG-QUOTAS, STORAGE AND RENEWABLE ENERGY SYSTEMS



As a CHARGE-V customer, you benefit from a sophisticated operating concept for high-power charging. We supply green electricity, generate GHG-quotas and market battery-storage systems.



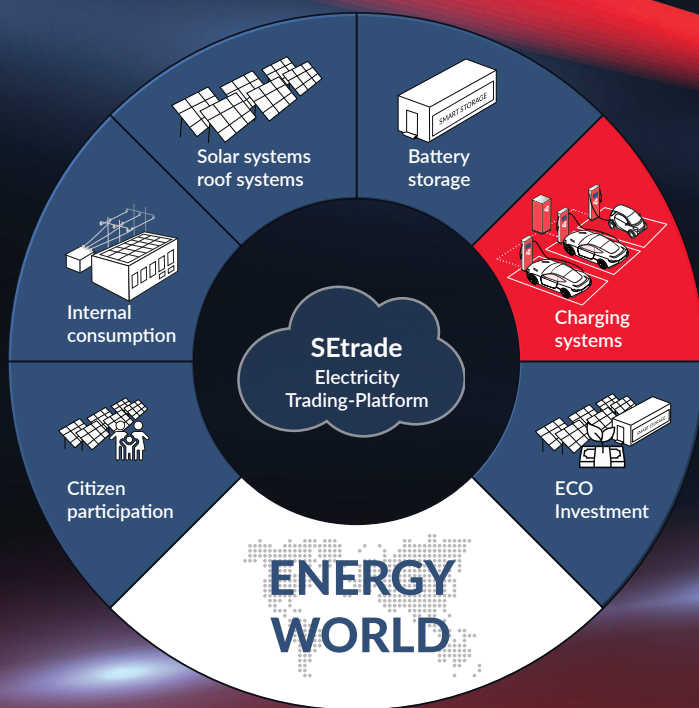
up to  
20 cents/kWh  
for grid operation



up to 90,000 EUR/MWh  
per year for  
AI-traded storage



up to 40 cents/kWh  
for renewable  
electricity



## ENERGY WORLD

CHARGE-V is part of the union of four highly specialised companies active in the field of renewable energies:

CHARGE-V, VISPIRON ENERGY, SEtrade and VISPIRON ECO INVESTMENT.

The common goal is to realise the energy transition and the creation of a CO<sub>2</sub>-neutral world.

[www.charge-v.com/energy-world](http://www.charge-v.com/energy-world)



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