





# Kreisel Electric

**Chimero** Fast Charging Solution


# Chimero Technology

# CHIMERO HPC&EES

## The resilient E-Mobility-Power-Platform









CHIMERO  
**180**



CHIMERO  
**240**

Features/Specifications

-  For Consumption Optimization
-  Smart-Data-Marketing
-  Advertisement & Interaction
-  Easy PV Integration
-  For Partial Self-Sufficiency
-  High Power Charging
-  Configurable Cables
-  Low Power Supply

With the **integrated battery storage** in CHIMERO, electric cars can be **fully charged quickly** without straining the grid.

# CHIMERO HPC&EES



CHIMERO  
**180**



STORAGE  
**92 kWh**

INPUT  
**60 kW**

OUTPUT  
**180 kW**



CHIMERO  
**240**

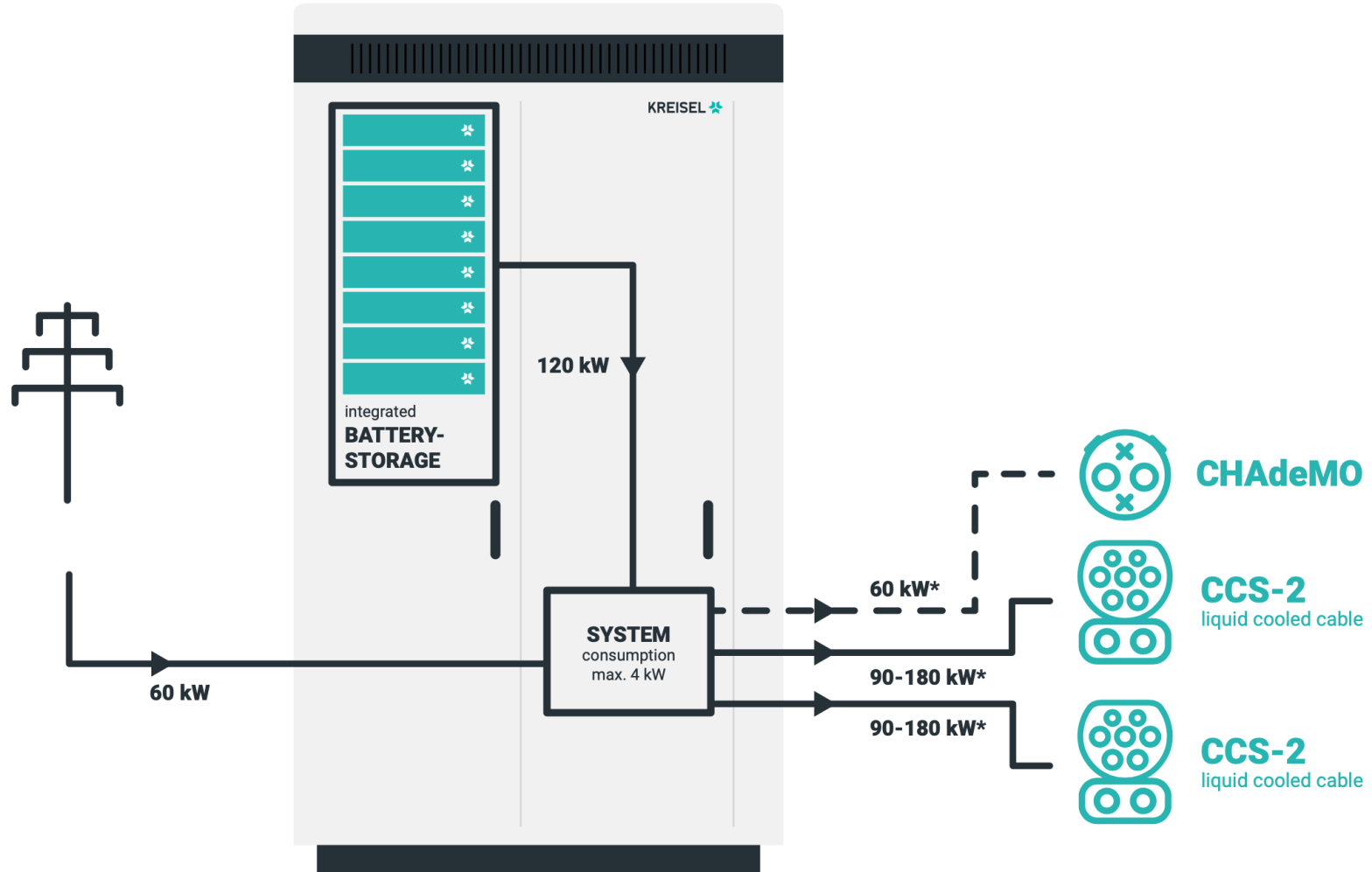


STORAGE  
**92 kWh**

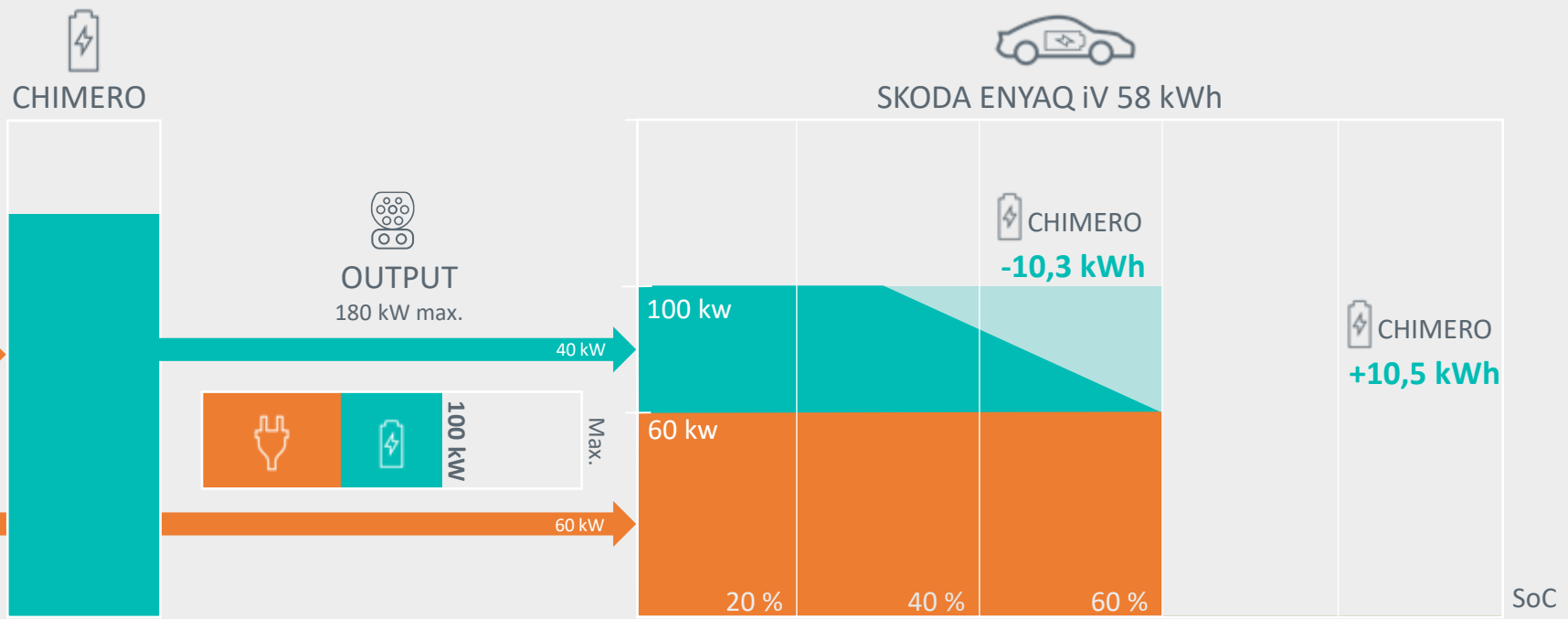
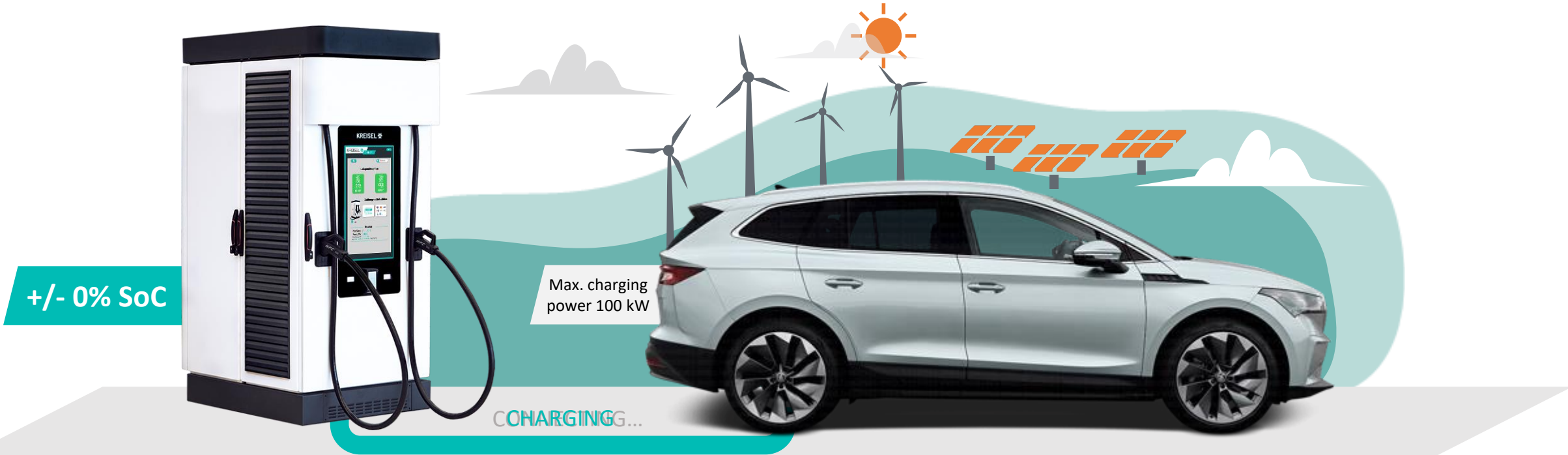
INPUT  
**120 kW**

OUTPUT  
**240 kW**





\*Effective output power is controlled by vehicle and can be lower



# CHIMERO 180

## ACTIVE BALANCING

Switching matrix with hardware redundancy for highest reliability



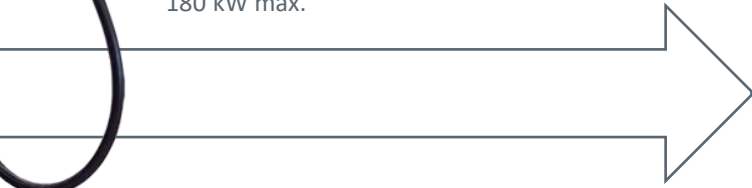
60 kW    90 kW    120 kW    180 kW



A



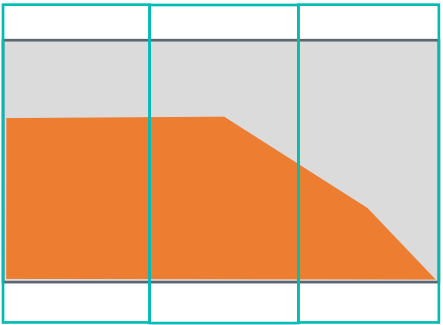
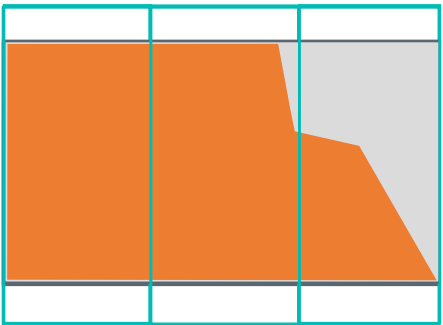
OUTPUT  
180 kW max.



B



60 kW    90 kW    120 kW





**CHIMERO** Features



# CHIMERO HPC&EES solves the biggest pain points of ultrafast charging infrastructure



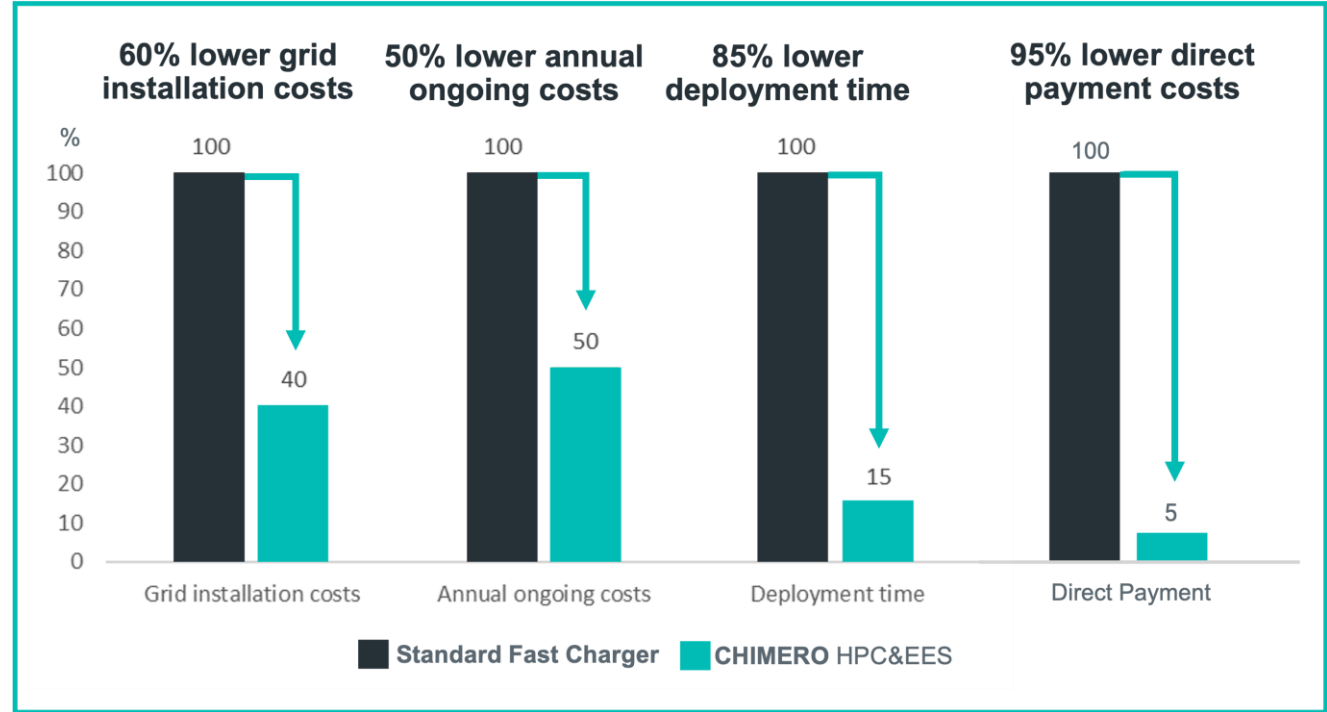
## Operates with Low Grid Connection

Works on just 22kW AC  
(CHIMERO 180)



## High Power Charging

Single CCS 180 kW  
Dual CCS 90 kW  
(@ nominal AC 60kW Input, CHIMERO 180)

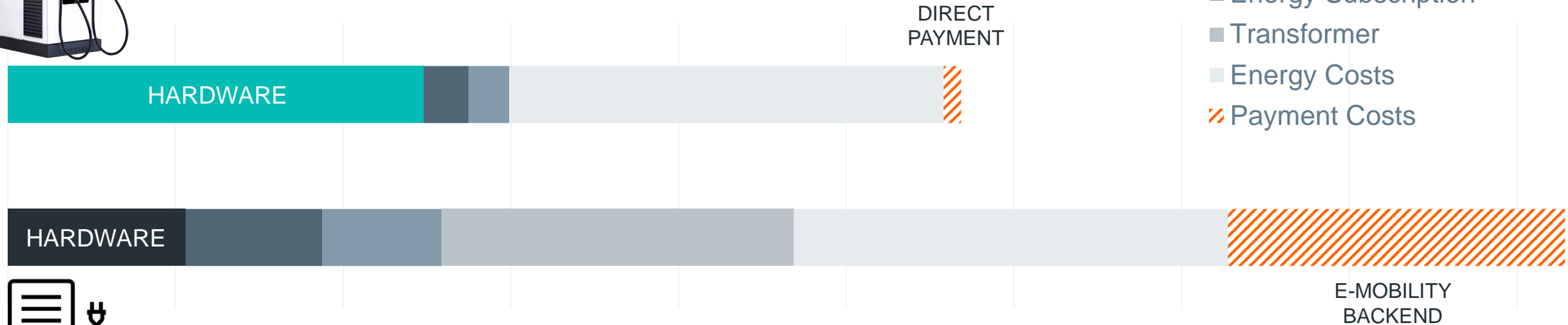


Significantly reducing installation & infrastructure costs, and with fast deployment

# OPERATING EXPENDITURE \*

TCO (5 Years) – Excluding Gov. Funding

## KREISEL CHIMERO 180



## GRID BASED 180 kW HPC

\* 10 Sessions / day with 35 kWh average charge

# Advertisement & Interaction



KREISEL CHIMERO HILFE

THIS IS A  
GENERIC  
BRAND  
VIDEO

Deutsch

Bildschirm berühren zum starten

KREISEL e-Receipt

KREISEL CHIMERO HILFE

CCS BEREIT CCS LADT

Ladevorgang 35 %

- 180 kW
- 05:45 Min
- 13:45 Min
- 13,40 kWh
- 15,45 €

KREISEL CHIMERO HILFE

KREISEL WE DRIVE THE FUTURE

Übersicht

100 %

- 23:45 Min
- 35,40 kWh
- 25,45 €

E-RECEIPT

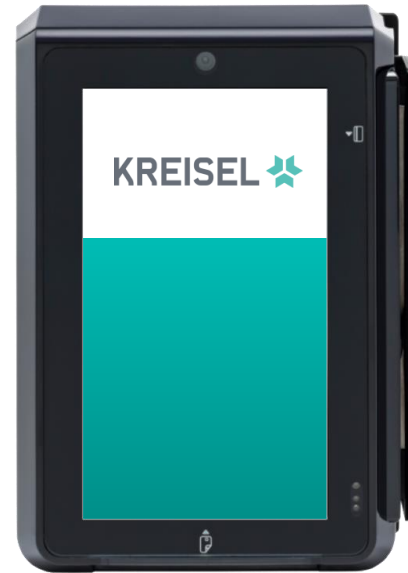
Vielen Dank & Gute Fahrt!

# Direct Payment

**Virtual PINpad**  
Optimizes use of space.



**Contactless reader**  
Embedded in screen



**Mag-stripe reader**  
Read a wide range of cards

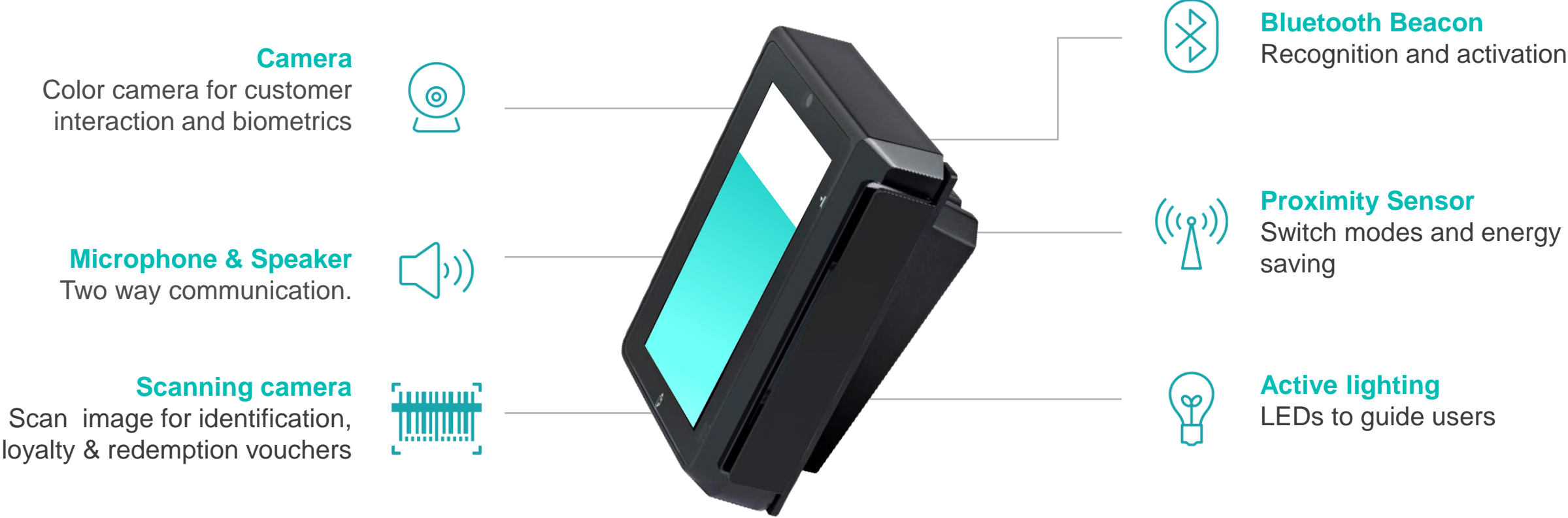


**Insert chip reader**  
Angled card insert reader slot



Charge with **e-mobility card** or use **direct payment** to improve the customer journey!

# Additional Features



Superior customer experience – **only your creativity is the limit!**

# Scenario: 180 kW Fast Charging with 60 kWp PV-System and 60 kW Grid Connection

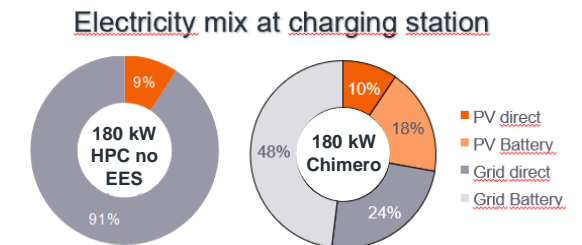


- Additional savings can be achieved from the price difference between the feed-in tariff and the electricity purchase price
- Higher margins per kWh through higher use of PV Energy vs Standard Charger

➤ Fast Charging in combination with PV and Battery Storage help to create a higher use of PV Energy

## Example 180 kW Chimero and 60 kW PV with 60 kW Grid

➤ Assumption: 10 x 150 kW with 37.5 kWh charging cycles per day



➤ 53% of the electric generated Energy of the 60 kWp PV system can be used for fast charging vs. 18% without ESS

# Charging with Kreisel

- Ultra short commissioning – **real plug&play**
- Modular power modules for **highest availability**
- **longest lifetime**
- **Liquid cooled cables** for maximum DC-Output without early cable de-ratings
- Additional **certified DC-meters** available for accurate kWh invoicing
- **Big screens** for promotions or ordering solution of your company
- **Widest customer accessibility**
- Highest possible user experience with additional **loyalty programs**



Kreisel fits for all your needs.

# Demonstrating the power of KREISEL Batteries

## Kreisel CHIMERO

- ⚡ with up to 360 kW charging power  
connection power starting from just 60 kW\*
- 🔋 **ISLAND MODE** enables off-grid usage  
(5-80% less than 15 min)

\*for 180 kW charging output

## Kreisel RE-X1 KIT

- ⚡ ~260 kW power\*
- 🕒 Torque: 600Nm
- ⚡ Voltage: 860V
- 🚗 ~1330kg total car weight

\*500 kW available in World RX1e spec



**SAME  
TECHNOLOGY  
INSIDE**

