Welcome to KEBA
DC-Charging solutions

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KEBA eMobility

Your one-stop shop for eMobility solutions

We energize sustainable technologies.

- AC & DC charging solutions for EVs – from cars to trucks
- More than 750,000 charging stations installed
- Leading in e-mobility since 2009
- Development and manufacturing in Austria

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In-house development and AC and DC charger production Austria

- High quality and flexibility
- Internal production of electronics
- Decades-long experience
- Targeted expertise

AC- and DC-Charging solutions for e-vehicles

KeContact DCW15
Public Wallbox

// easy to use
// compact

The compact low-entry DC solution
- cost-efficient, simple to install, and user friendly

// Charging power **40 kW**

// Easy to operation via touchscreen, direct payment possible

// Public charging **MID calibrated meter** (compliant with AFIR and German calibration law)

// Simple user interface even without OCPP backend

// Cable length 4 m, Cable 125 A

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KeContact DCA10
Autonomous Charger

// variable
// scalable
// compact

Easy to maintain with short ROI and maximum uptime

// Charging power up to **320 kW**

// Simple operation and maintenance

// Power module can be upgraded on site

// **Redundancy**: If a rectifier fails, the remaining power is still available

// Cable 250 A / 450 A (uncooled), max. 500 A= Peak current

// Cable length 3,5 m or 5 m

// Dimensions: W 630 / 650 D 640 H 1975 mm

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KeContact DCU10
Power Unit

// for DCS10 Satellite
// for DCL10 Pillar

Space-saving thin design for compact installation

// Charging power up to **320 kW**

// In tandem configuration, 2 x 320 kW or 4 x 160 kW = **640 kW**

// **Small footprint** 430mm x 1.250mm (max 420kg)

// Distance between DCU and Satellite can be up to **70 meters**

// Maximum outputs: **2** (dual) or **4** (quadruple)

// Nominal voltage: 1.000V

// Nominal current peak (max chargining current): **500A**

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KeContact DCS10
HPC Satellite

// variable
// scalable
// compact
// cooled

High power through cooled cable

// Charging power up to **480 kW**
// Cabel 400 A (700 A boost) / 500 A (**liquid cooled**)
// Cable length **3,5 m** or **5 m**

// Dimensions: 450mm x 500mm x 1.865 mm
// Control of an additional **max. 12 KEBA AC** charging stations
// "Wake up function" / BCB Toggle

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KeContact DCL10
Flexible Charging Pillar

// slim design
// cost-efficient

Ideal DC charging solution for limited parking spaces between the vehicles

// Charging power up to **380 kW**
// Cable 250 A / 380 A (700 A boost)
// Cable length **5 m** or **8 m**

// Height up to **2,5 m**
// Very small footprint, **less than 0,5 m²**
// "Wake up function" / BCB Toggle

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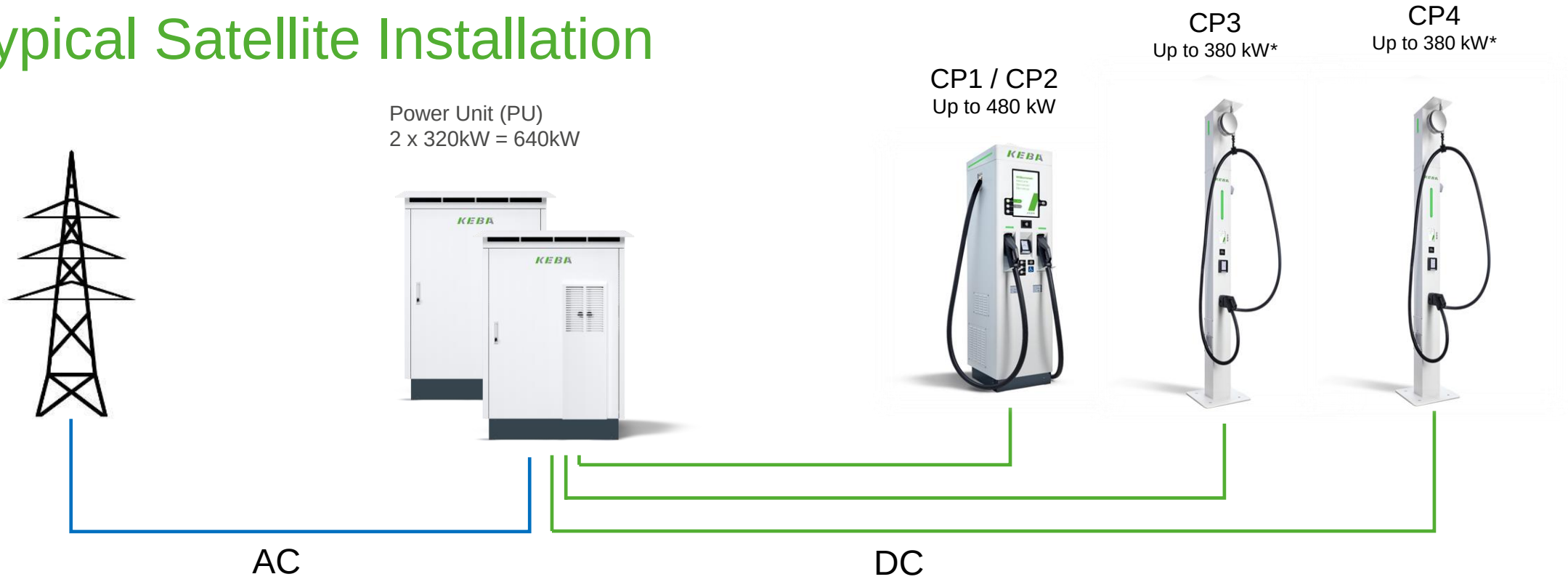
Typical Satellite Installation



Total Power 640 kW
// Master/Satellite: 2 x 320 kW

Master/Satellite connection concept
// up to 480 kW per charging point or
// 2 x 320 kW per charging point or
// 4 x 160 kW per charging point
Simultaneously with four charging points, dynamically controlled

*380 A rated current/ 700 A boost at 1,000 V

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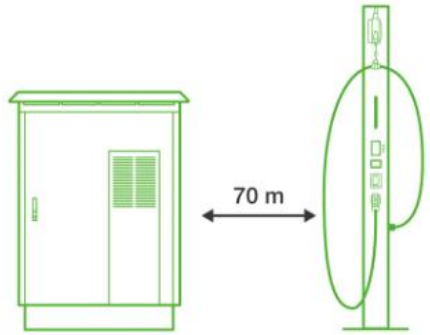
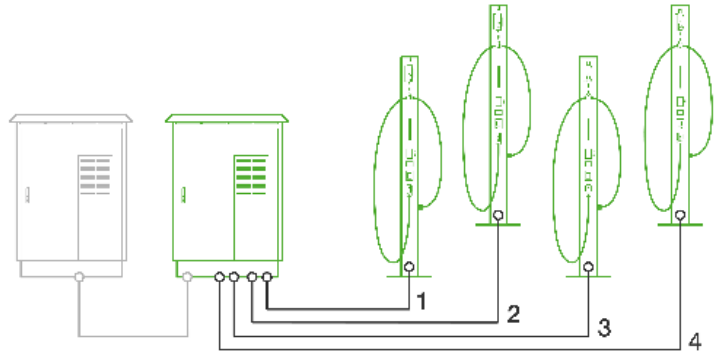
DCL10 Pillar Installation Examples



Flexible Installation



Fully scalable

KEBA DC chargers - proven performance in various environments.

KEBA DCU + DCS successfully tested in Sweden.

KEBA DCA successfully tested in UAE

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Reference Projects

Charging hub in Germany: EMSLAND

// KEBA Charging solution:
10 x DCU10 (Power Unit)
5 x DCS10 (Satellit) 240 kW

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Charging hub in Sweden: MOSSERUD

// KEBA Charging solution:
5 x DCU10 (Power Unit)
4 x DCL10 (Pillar)
2 x DCS10 (Satellit) 320 kW

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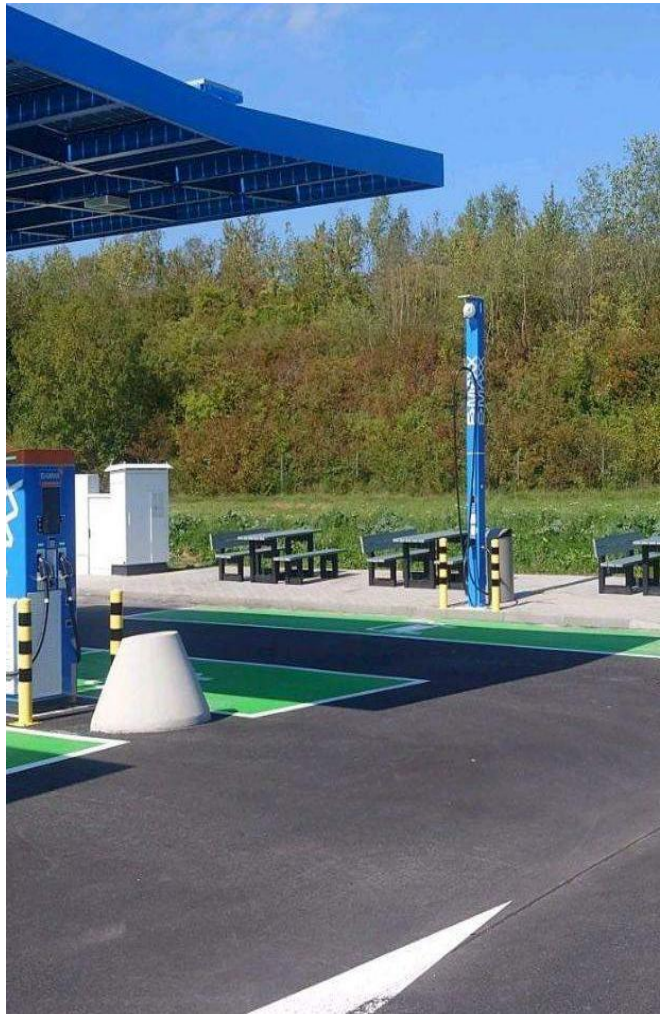
Charging hub in Germany: Görgeshausen



// KEBA Charging solution:
4 x DCA10 mit 320 kW
1 x DCL10 mit 240 kW

Solutions together with our partners

Battery Storages and Energy Management Systems

// Very easy to integrate into existing systems via OCPP and ModBus TCP

// Backends, battery storage systems, and load and energy management systems can be easily integrated using the aforementioned interfaces

- Operational safety
- Grid connection monitoring
- Billing
- Integration of low-cost PV energy

Software Solutions for Transport and Logistic companies

Intelligent charging management for electric vehicle fleets

// Optimal EV charging based on Price, CO2 emission and/or Capacity

// Tailormade for heavy transportation vehicles

// Reduction of chargining costs with +20%

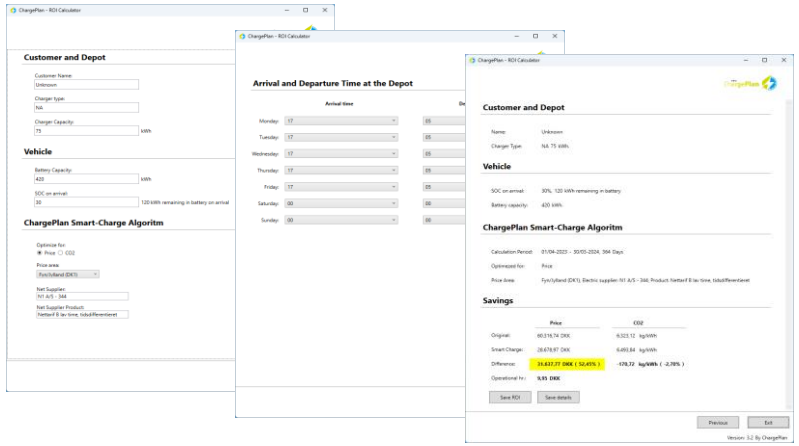
// Forecast of charging time, energy consumption and remaining range

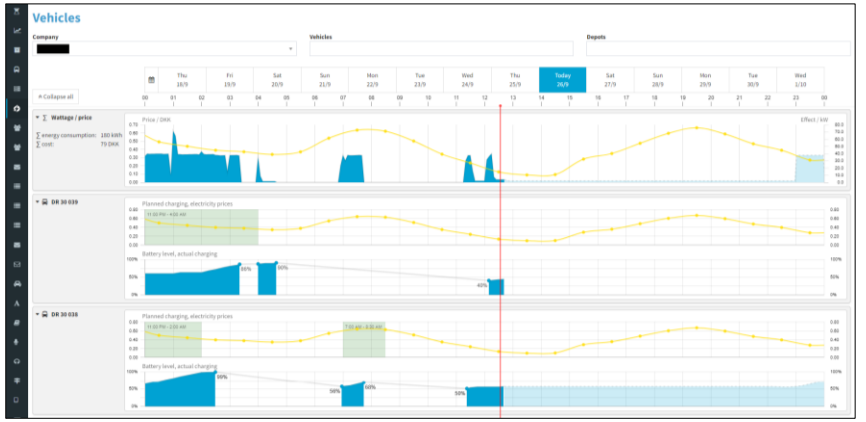
// Proactive monitoring and alarming

// Extend battery life

// Ensure Operation stability and Minimal administration

// Technology agnostic / Supports all OCPP chargers





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KEBA Innovation

Where the Future Becomes Tangible

// We offer a unique experience that offers an inspiring insight into current and future technologies, showcasing KEBA's vision for digital and technological innovation in eMobility.

// KEBA invest in the future of EV charging!

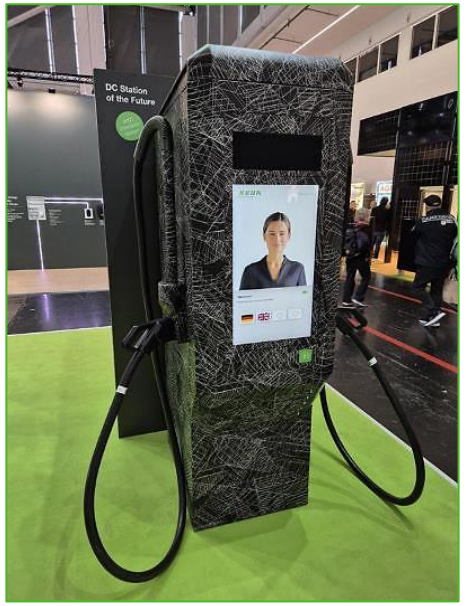
KeBob = AI based video surveillance

Use cases:
- Cable theft
- Wrong parking
- Targeted marketing
- Other

KAI = AI based Energy Management

Use cases:
- Energy optimization
- Cost per kW reduction
- Charging demand forecasting
- Other

KEA = AI virtual assistant



Use cases:
- Multilingual support
- Charging guidance
- Price comparison
- Marketing advertisement
- Predictive maintenance
- Other

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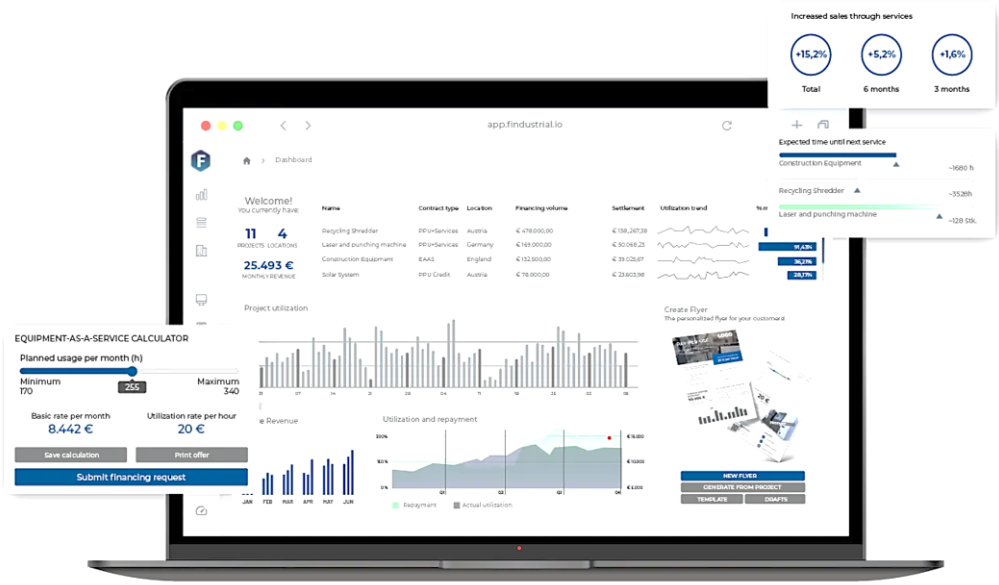
KEBA Financing Options

Flexible financing solutions for your eMobility projects

KEBA eMobility offers various financing options to support your project - whether you need to cover the entire solution or just a specific part of it, in cooperation with our trusted partner **FINDUSTRIAL.**

Together we enable Pay-per-Use models, unlocking new sales potential for our customers.



FINDUSTRIAL

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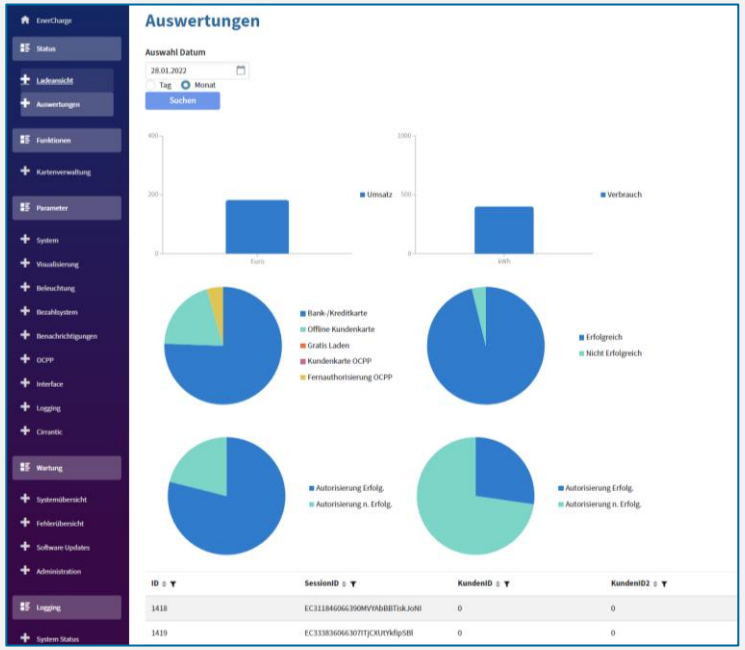

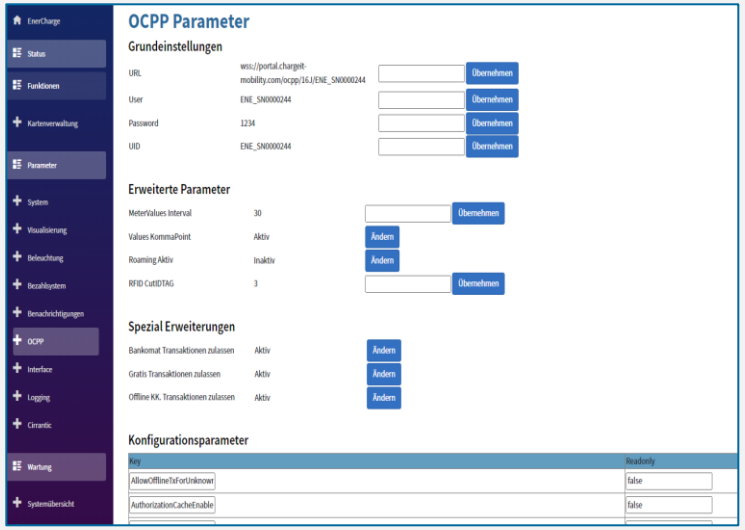

Service Portal

Administration and planning

// Evaluation
// Admin

In addition to the OCPP standard, you can also access information such as fan speed or power module values and more.

// User administration

// Charger administration

// Maintenance area for chargers

// Flexible tariff design

// Information for active availability maximization:

- Deployment planning
- Push notifications

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Range of services

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Commissioning package

Included service of the commissioning package:

// SIM card 5GB
// Service tunnel
// Remote commissioning by our support team
// Service package for initial commissioning*:
- Checking the connections
- Measurement of the DC units
- Test charging
- Commissioning report

// Optional ex-works integration:
- Compliant backend
- Compliant EMS

* Mandatory if installation company not trained

Service package

Maintenance:

// Visual inspection outside and inside
// Half-yearly RCD check
// Cleaning of critical components inside / removal of minor contamination outside
// Cleaning / replacing filter mats
// Internal functional test
// Recording meter readings
// Communication check
// Periodic inspection according to VDE 0105/100 / DGUV
// Filter mats provided by the client

Remote support:
(included in the warranty period)

// Service tunnel access
// Sim card for remote services
// Remote support by KEBA service technicians

Service Level Agreements

SLA Matrix	Standard Warranty	End of Warranty	On-Top Gurantee	REMOTE Packages: Basic remote	REMOTE Packages: Advanced remote	REMOTE Packages: Ultra remote	REMOTE & ON-SITE Packages: Basic remote & local	REMOTE & ON-SITE Packages: Advanced remote & local	REMOTE & ON-SITE Packages: Ultra remote & local
Support time[1]	7 a.m.-5 p.m., Mon-Fri except public holidays	9 a.m.-5 p.m., Mon-Fri except public holidays	7 a.m.-5 p.m., Mon-Fri except public holidays	7 a.m.-5 p.m., Mon-Fri except public holidays	7 a.m.-7 p.m., Mon-Fri except public holidays	0-24 h, Mon-Sun	7 a.m.-5 p.m., Mon-Fri except public holidays	7 a.m.-7 p.m., Mon-Fri except public holidays	0-24 h, Mon-Sun
Remote/Support per hour	included	€ 120	included	included*	included*	included*	included*	included*	included*
Remote access	included	€ 240 / year	included	included*	included*	included*	included*	included*	included*
Remote access via SIM card	included	€ 450 / year	included	included*	included*	included*	included*	included*	included*
Software care & maintanance	included	€ 150 / year	included	included*	included*	included*	included*	included*	included*
First response time[2]	best effort	-	best effort	8h	4h	1h	8h	4h	1h
Remote Reaction Time[3]	best effort	-	best effort	NBD	8h	2h	NBD	8h	2h
Remote Solution Time[4]	best effort	-	best effort	NBD+1	NBD	8h	NBD+1	NBD	8h
On-Site Service Appointment Booking[5]	best effort	-	best effort	best effort	best effort	best effort	NBD+2	NBD+1	6h
On-Site Solution Time[6]	best effort	-	best effort	best effort	best effort	best effort	NBD+3	NBD+2	NBD
Preventive maintenance	€ 330,00 - 450,00 per year per charging point	€ 330,00 - 450,00 per year per charging point	€ 330,00 - 450,00 per year per charging point	€ 330,00 - 450,00 per year per charging point	€ 330,00 - 450,00 per year per charging point	€ 330,00 - 450,00 per year per charging point	included	included	included
Spare Parts	included	-	included	-**	-**	-**	5% discount on claimed spare parts**	5% discount on claimed spare parts**	5% discount on claimed spare parts**

*if devices are within the warranty or guarantee period.

**In the event of a warranty or guarantee claim, the replacement parts will be provided free of charge.

***The price stated here refers to charging stations with 2 charging points. For charging stations with 4 charging points the price doubles, for 3 charging points the price is 1.5 times higher and for one charging point per charging station the price stated here is halved.

[1]Determined period in which KEBA Support is available via agreed communication channels (support hotline, ticketing tool, e-mail) and enquiries are processed.

[2]Time span between the customer's request (ticket creation) in the support time and the first response from KEBA support.

[3]Time span between the creation of the ticket in the support time and the first, technical feedback from KEBA Support (=acceptance of the ticket or the request for further information until the ticket can be accepted).

[4]Time period between acceptance of the tick test and (i) remote restoration of the operational readiness of the faulty charging station or (ii) determination that an on-site service is required to rectify the fault.

[5]Time period after acceptance of the ticket until an appointment for on-site service was offered by KEBA.

[6]Time between acceptance of the ticket and the restoration of operational readiness of a faulty charging station on site.

NBD = Next Business Day

best efffort = best endeavours are made to provide the agreed services, but no specific guarantees are given for the availability, performance or quality of the services

ATTENTION: On-site solution time depends on the availability of the customer on site.

ATTENTION: Fault reporting must be carried out by the customer's qualified specialist personnel

90% of cases are completed within the specified time

Warranty can be concluded during the current warranty period

For existing contracts (Ex-Enercharge), the conclusion of a remote support and software maintenance contract is required (for the KeBasic Remote). When concluding a hardware maintenance contract, a KeBasic Remote & Local can be concluded.

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Simply charge.
AC and DC.

With smart and sustainable charging solutions for EVs - from cars to trucks.

Simple. Flexible. Cost-efficient.

Contact

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