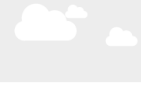


Technical training BCS Pure/Smart



safe. inspiring. green.



BCS Pure product overview

Modular electric bike charging station

- Based on GEOS enclosure (customisable)
- SCHUKO sockets and fixed cables with charging plugs
- Supports Bosch, Shimano and more
- Ready-to-connect system with LED status display
- Suitable for use outdoors in a secure area
- IP54 / IK08
- Protection class II / III
- 230 V – 50 Hz / 16 A
- IEC 61439-1 / -7 Low voltage switchgear and controlgear assemblies
- Fixed cable, approx. 2.5 m, for BOSCH and SHIMANO

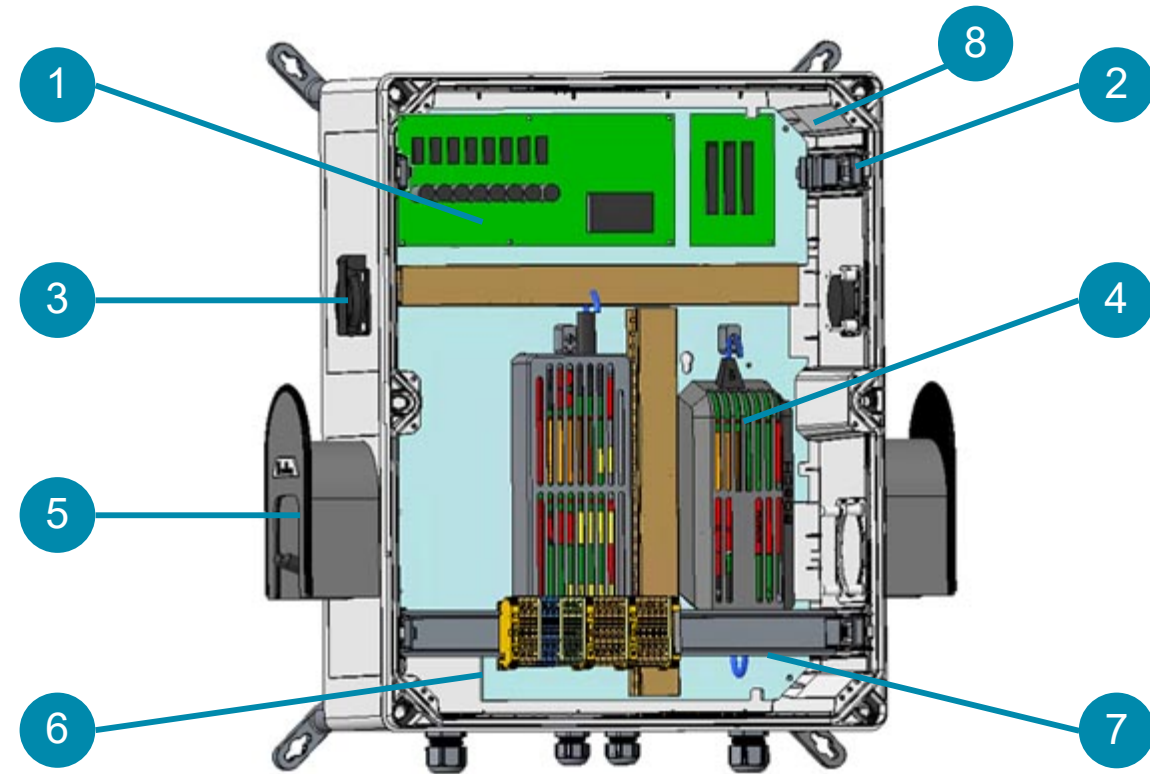




Overview of components

Structure

1. Control board
2. LED indicator
3. Sockets
4. Original charger
5. Cable holder
6. Connection zone
7. Control box heating (opt.)
8. COM module (Smart)



LED indicator

Status display

1. Initialisation phase 
2. Ready to operate 
3. Charging (flashing) 
4. Overload (5 min test phase, then shutdown – flashing) 
5. Shutdown - microfuse 
6. Shutdown – environmental conditions, overload 





Side label

Instructions

- Compatibility
- Safety precautions
- Contact details
- Language DE/EN



- 1) Kabel und Stecker vor Benutzung auf Beschädigungen prüfen
Check cable and plug for damage or dirt before use



- 2) Bedienungsanleitung des Akkus beachten
Follow the operating instructions of the battery



- 3) Bedienungsanleitung der Ladestation ist beim Betreiber einsehbar
Operating instructions for the charging station can be viewed at the operator




- 4) Statusanzeige prüfen und Ladepunkt benutzen
Check status and use charging point



www.spelsberg.de/BCS

Ladestation für leichte Elektrofahrzeuge (LEV) Charging station for light electric vehicles only (LEV)

-  Ladebereit | Ready
-  In Benutzung | Charging
-  Störung | Disruption
-  Ausser Betrieb | Out of service

Akku oder Ladegerät entfernen!
Remove battery or charger!

Ladepunkt
Charging point

230V
- max. 2,5A
- 500W

Output 40 V DC, 4.4 A/42 V DC, 4.0 A
Compatible battery SHIMANO BT-E6000,
BT-E6001, BT-E6010, BT-E8010, BT-E8020

Shimano





SCHUKO charge point

Schuko socket, suitable for any charger

- 230 V / max 2.5 A / 500 W
- Child-proof lock
- Detects overload and warns of shutdown

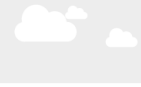




Spelsberg cable holder

- Allows charge cable to be wound up
- Allows plug to be clipped in
- Protects plug from direct rain
- Prevents tripping through spring retainer



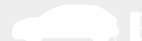


BCS Pure / BCS Smart

Spelsberg e-mobility

- Based on GEOS enclosure
- Intended for wall mounting (various)
- Screw with special head, or sealable
- Foil-coated cover (customisable)



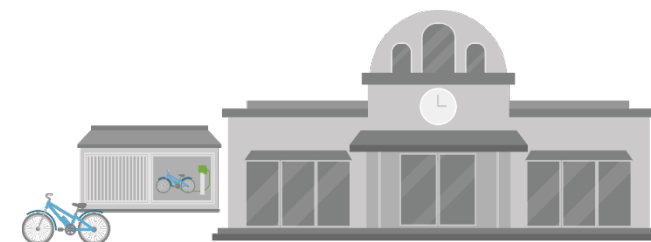
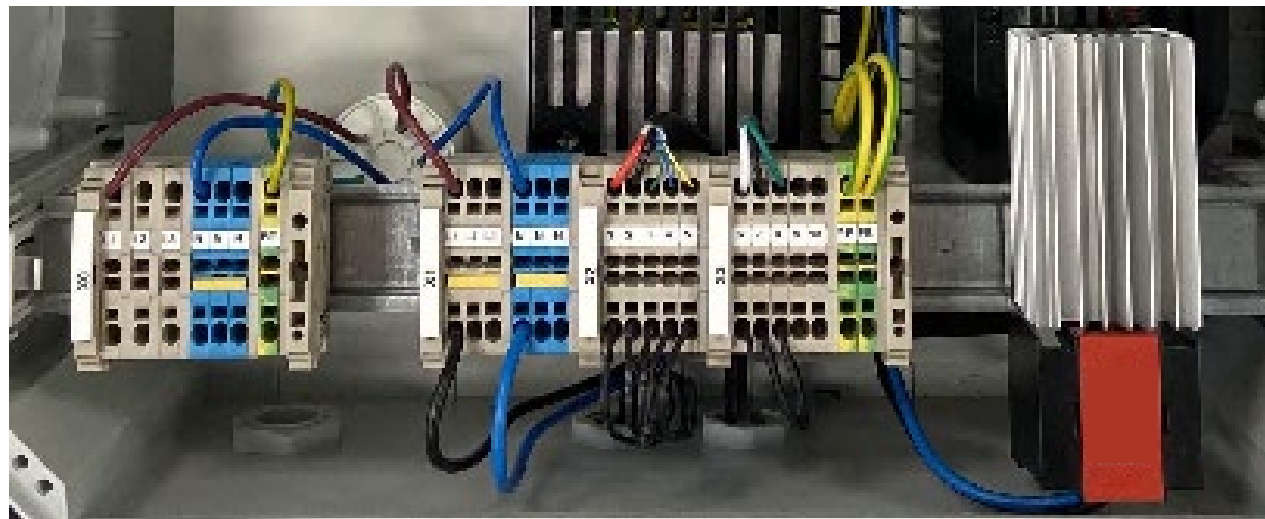


Connection technology

Technical requirements

- Connection cable:
3 x 2.5 mm² (opt. 5 x 2.5 mm²)
- Fuse:
min. 10 A – 16 A
- Connection voltage: 230 V
- Installation by qualified electrician
- Joint specification of site*
- Consultation when selecting technical equipment (types of charger)
- Preparation and connection of the system
- Servicing and maintenance of the system
- Installation height 1.4 m (recommended by ZIV)
- Optional: terminal compartment for 3 phase application, looping through
- Optional: cabinet heating

* Protected outdoor area (no direct sunlight, no direct contact with water (rain), UV resistant plug, vandalism, corrosion)



Operating conditions

Ranges

- Temperature range
Operation: 0 .. 40°C inside enclosure (monitored)
- Humidity range
Operation: 0 .. 80% rel. humidity inside enclosure (monitored)
- After mains power restored:
 - Function test
 - Check environmental conditions
 - If necessary, control box heating preheat time
 - (< 0°C or > 70% rel. humidity)
- During operation
 - Check environmental conditions
 - Check charge point functioning (microfuse)



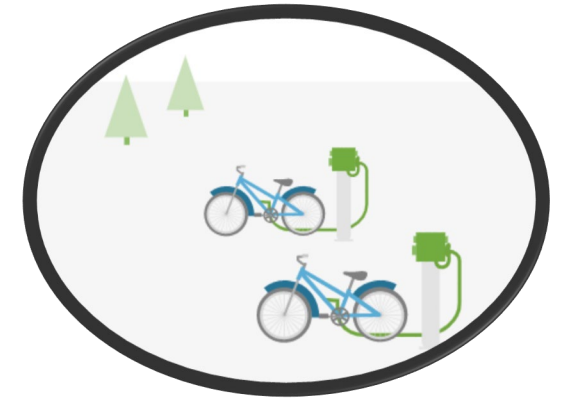
New Features of the BCS Smart

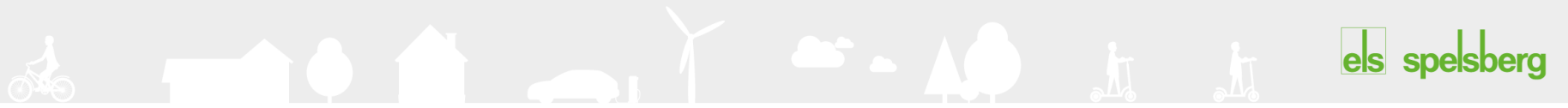
Base is the Product Training BCS PURE

- New features for the End-user/ E-Biker
 - Finding els E-Bike charging stations via the BCS Finder App*
 - Determine compatibility with connector system
 - View the status of the charging points of a station

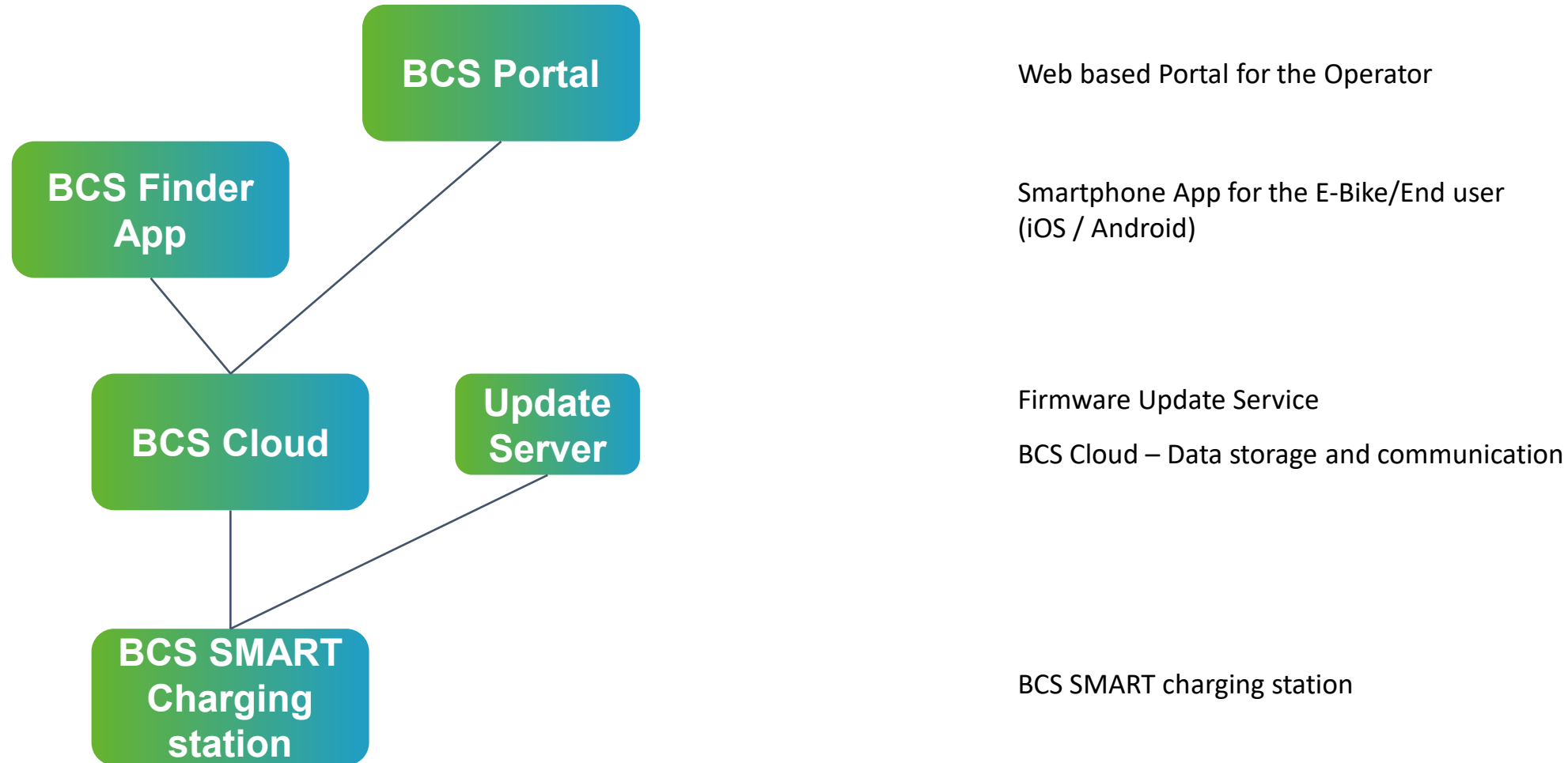
- New functions for the operator
 - Monitoring of the charging station (Status)
 - Controlling of the charging station (Charging point ON/OFF)
 - Specify operating times (Weekly planning)
 - View statistics (Energy consumption, processes per charging point, connector system used)
 - View messages (Alerts e.g.)

- Active sabotage detection
 - Notification via email
 - Manage/Admin. additional users





Systemoverview



Charging station - Connectivity

- Connection via Ethernet
 - Exchange screw connection
 - Pay attention to cable radius
- Connection via WLAN
 - Start the WLAN connection at the charging station -> a local WLAN HotSpot is opened
 - Get PC / Smartphone / Tablet connected to charging station -> Enter access data for WLAN
- Connection via 4G, LTE
 - Provider is 1nce



>100
countries
coverage
Blue regions
are covered
with service



Get charging station into operation

1 User registration and organisation set-up

<http://bcs.spelsberg.com/spelsberg/registration>

2 eMail confirmation and Password set-up

3 Login to Operator Portal

<http://bcs.spelsberg.com/spelsberg/login>


4 Register new charging station

5 Enter charging station data

6 Inviting additional user





BCS Portal



BCS Smart Portal
ELS Spelsberg

- Dashboard
- Ladestationen
- Statistiken
- Meldungen
- Organisation

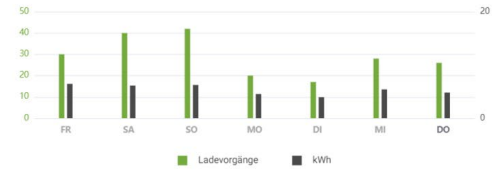
Tagesstatistik Do 07.10.2021


26
LADEVORGÄNGE


28:52
LADEDAUER


4,82
ENERGIEVERBRAUCH

Ladevorgänge




Deine Ladestationen

- 6 ✓ BEREIT
- 1 🛠️ IN WARTUNG
- 0 ⏸️ DEAKTIVIERT
- 0 📵 OFFLINE

Aktuelle Meldungen

	07.10.2021 18:08 Hotel Spelsberg	Der Ladepunkt 4 Bosch ist in Benutzung
	07.10.2021 17:12 Supermarkt ELS	Der Ladepunkt 3 Shimano ist in Benutzung
	07.10.2021 16:57 Firma Spelsberg	Der Ladepunkt 4 Bosch ist frei
	07.10.2021 16:45 Stadtwerke Schalksmühle	Der Ladepunkt 1 Schuko ist in Benutzung

[Nutzungsbedingungen](#) | [Datenschutz](#)


BCS Smart Portal
ELS Spelsberg

- Dashboard
- Ladestationen
- Statistiken
- Meldungen
- Organisation

←

Firma Spelsberg

Unternehmen

ÜBERSICHT | MELDUNGEN | STATISTIKEN

Firma Spelsberg


Version 1.2.2
BCS-SMART

Im Gewerbepark 1
58579 Schalksmühle

Sichtbarkeit in der App

Wartung

Standort




Ladepunkte


	Schuko	Bereit	<input checked="" type="checkbox"/>
	Schuko	Bereit	<input checked="" type="checkbox"/>
	Shimano	Bereit	<input checked="" type="checkbox"/>
	Bosch	Bereit	<input checked="" type="checkbox"/>


Betriebszeiten

Mo	Di	Mi	Do	Fr	Sa	So
07:00 18:00	08:00 18:00	08:00 18:00	08:00 18:00	08:00 18:00	08:00 18:00	08:00 14:00

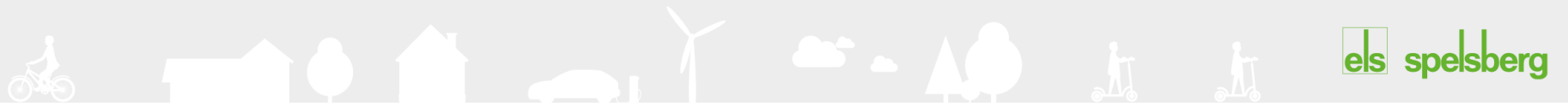
Tagesstatistik Do 07.10.2021


12
LADEVORGÄNGE


14:43
LADEDAUER


2,15
ENERGIEVERBRAUCH

[Nutzungsbedingungen](#) | [Datenschutz](#)




BCS Finder app

Mobile app for e-bike user



Find **CHARGING STATIONS** in your area.

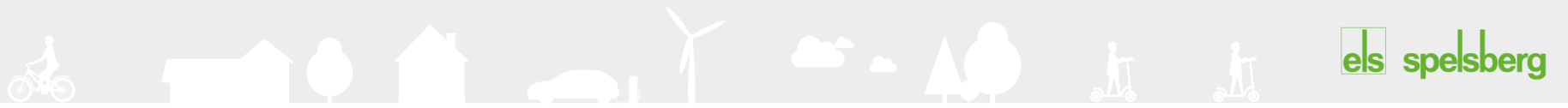
CONNECT  -MOBILITY

SHOW optimal **BIKE ROUTE** to the station.

Save BCS stations as **FAVORITE**.

VIEW the **STATUS** of the station at any time.

Check **COMPATIBILITY** of the station and your own E-Bike.



Service & Support

- Spare parts
 - Charging cable BOSCH + SHIMANO as a catalog article
 - Exchange of further components has to be qualified with Spelsberg HQ
- Phone support +49 2355 892-200
- Support eMail: help.bcs@spelsberg.com
- Knowledge database + Ticketing system

Product contents

Description

- 1 x charging station
- 6 x cover screws with standard screw heads to seal the unit
- 1 set 10 mm external fixing lugs, GEOS ABL-10
- 1 set 40 mm external fixing lugs, GEOS ABL-40
- 1 x 8 mm triangular tool for opening the cover
- 1 x M25 sealing plug
- 1 x M32 stepped nipple
- 1 x operating instructions
- 1 x operating instructions / fitting instructions

