

Product datasheet

Specifications



EV charge controller, EcoStruxure EV Charging Expert, 5 charging stations, 20 zones, dynamic load management

HMIBSCEA53D1EDBSCP

! To be discontinued

! Discontinued on: Dec 31, 2025

Main

Range	EcoStruxure EV Charging Expert
Product name	EcoStruxure EV Charging Expert
Product or component type	EV charge controller
Type of installation	Indoor

Complementary

Installed device	Modem 3G/4G (to be ordered separately) Meter device (to be ordered separately)
Range compatibility	EVlink EVlink Pro AC EVlink EVlink Pro DC EVlink EVlink Smart Wallbox EVlink EVlink parking EVlink EVlink City Schneider Charge Pro
Device application	To manage the overall energy allocated to each vehicle
Mounting mode	Wall mount
Mounting support	Rail
Mounting position	Horizontal/vertical
load management	Dynamic
max managed charging stations	5 charging stations
max managed charging points	10 charge points
max nb of zone levels	4
max nb of zones	20
functions selection	With priority charging profile With time-of-use settings With PV integration With BEMS integration via API With authentication via badges With transaction logs
Communication interface	Ethernet RJ45 Cat.6 to connect device to charging station Ethernet RJ45 to connect device to charging station Modem to connect device to central management system
Communication service	Web server for OCPP 1.6 Via Modem
OCPP version	JSON
[Us] rated supply voltage	12...24 V DC
Power consumption in W	16 W

Input type	Energy meter
Electromagnetic compatibility	Conducted and radiated emissions class A conforming to EN 55022
Height	150 mm
Width	157 mm
Depth	46 mm
Product weight	1 kg
Standards	EN/IEC 61131-2 EN 55011 EN/IEC 61000-6-4
Product certifications	CE EAC RCM
Targeted country	All
Services	Commercial service plan 0...50 °C

Environment

IP degree of protection	IP40
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Operating altitude	0...2000 m
Relative humidity	10...95 %

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.300 cm
Package 1 Width	21.800 cm
Package 1 Length	32.500 cm
Package 1 Weight	1.339 kg
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	8.798 kg



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

EU RoHS Directive

[Compliant By Exemption](#)

REACH Regulation

[Reference contains Substances of Very High Concern above the threshold](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

Take-back

No