

# Product datasheet

Specifications



## EV charge controller, EcoStruxure EV Charging Expert, 30 charging stations, Schneider Charge Pro, 5 zones, dynamic load management

HMIBSCEA53D1EM30

### 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	Schneider Charge Pro
Device application	To manage the overall energy allocated to each vehicle
Mounting mode	Wall mount
Mounting support	DIN rail
Mounting position	Horizontal/vertical
load management	Dynamic
max managed charging stations	30 charging stations
max managed charging points	60 charge points
max nb of zone levels	3
max nb of zones	5
functions selection	Without priority charging profile With time-of-use settings Without PV integration Without BEMS integration via API Without authentication via badges Without transaction logs
Communication interface	Ethernet RJ45 Cat.6 to connect device to PC Ethernet RJ45 to connect device to charging station Modem to connect device to central management system
Communication service	Web server for HTTPS Web server for OCPP 1.6J
OCPP version	Latest available version
[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

<b>Depth</b>	46 mm
<b>Net weight</b>	1 kg
<b>Standards</b>	EN/IEC 61131-2 EN 55011 EN/IEC 61000-6-4
<b>Product certifications</b>	CE EAC RCM
<b>Targeted country</b>	All
<b>Services</b>	Commercial service plan 0...50 °C

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	8.000 cm
<b>Package 1 Width</b>	21.500 cm
<b>Package 1 Length</b>	32.000 cm
<b>Package 1 Weight</b>	1.346 kg
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	40.000 cm
<b>Package 2 Length</b>	60.000 cm
<b>Package 2 Weight</b>	8.824 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