EVlink™ Wallbox

Get ahead of time!

Charging stations from 3.7 kW to 22 kW IP54 IK10
With a T2 socket outlet or a fixed cable with a T1 or T2 connector designed for Mode 3 EV charging

Average charging time for a typical electric passenger car to obtain a range of 40 km:

- **Wallbox at 22 kW**: 20 min
- **Wallbox at 7.4 kW**: 1 h
- **Domestic socket outlet**: +3 h

EVlink Wallbox makes your job easier

**Fast and easy to install**
- Can be installed in under 30 minutes by a single technician; no special tools required
- Can be wired from the top, bottom, or back
- Can be commissioned right away

**Great for add-on sales**
- Compatible with energy management solutions you can recommend to your customer

**A great user experience**

**Fast and robust**
- Charge up to 10 times faster* than a domestic socket outlet
- Weather and shock resistance, suitable for outdoor use

**User friendly**
- Plug-and-charge simplicity
- One-touch stop/restart
- Fresh, crisp look appeals to a wide range of tastes

*Based on 22 kW version. With a 7.4 kW rating, you can charge up to 3 times faster.

Charging stations from 3.7 kW to 22 kW IP54 IK10

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- Domestic socket outlet

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schneider-electric.com
Why use a charging station in Mode 3 instead of a regular domestic socket outlet in Mode 2?

- Get a full charge in much less time.
- Reduce the exposure to electrical risks: unlike a domestic socket outlet, the wallbox is designed to deliver a high current for several hours every day.
- Open to the energy management: charging start-up can be postponed to off-peak hours. Charging power can be temporarily reduced to limit overall building consumption.

Average time to fully charge a 24 kWh car battery

<table>
<thead>
<tr>
<th>Power (kW)</th>
<th>Single phase</th>
<th>Three phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.3</td>
<td>&lt; 1.5 h</td>
<td></td>
</tr>
<tr>
<td>7.4</td>
<td>&lt; 3 h</td>
<td>&lt; 8 h</td>
</tr>
<tr>
<td>11</td>
<td>&lt; 4 h</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>&lt; 8 h</td>
<td>&lt; 12 h</td>
</tr>
</tbody>
</table>

Connection diagrams

Q1: residual current and over-current protections
F1: surge arrester (optional)
U: undervoltage release MNx (optional, except for compliance with EV Ready and ZE Ready labels)

Technical characteristics

- Standards: EC/EN 61851-1 ed 2.0; IEC/EN 61851-22 ed 1.0; IEC/EN 62196-1 ed 2.0; IEC/EN 62196-2 ed 1.0
- Voltage: 220 – 240 V single-phase — 50/60 Hz
  380 – 415 V three-phase — 50/60 Hz
- Ingress protection code: IP54
- Impact protection code: IK10
- Operating temperature: -30 °C to +50 °C
- Storage temperature: -40 °C to +80 °C
- Attached cable length: 4 m
- Energy management: deferred charging start or charging current limitation (16 A to 10 A, 32 A to 16 A)
- Access control: key lock

(1) Depends on the coordination with the upstream protections.
(2) Depends on the risk of untimely tripping due to the vehicle inrush current when starting the charge.
(3) A type B may be required in some countries. Refer to local regulations.

Charging cable (length: 5 m)

<table>
<thead>
<tr>
<th>Model</th>
<th>Power (A)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>T2/T1</td>
<td>32 A – 1 Ph</td>
<td>EVP1CNS32121</td>
</tr>
<tr>
<td>T2/T2</td>
<td>32 A – 1 Ph</td>
<td>EVP1CNS32122</td>
</tr>
<tr>
<td></td>
<td>32 A – 3 Ph</td>
<td>EVP1CNS32232</td>
</tr>
</tbody>
</table>

EV simulator

To check proper operation of the charging solution NCA93100

Related products

<table>
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