EVlink

Catalog 2019
Electric vehicle charging solutions

schneider-electric.com/electric-vehicle

Life Is On

Schneider Electric
CO₂ and P&L impact through… Resource Performance

Green Premium brings improved resource efficiency throughout an asset's lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO₂ emissions.

Cost of ownership optimization through… Circular Performance

We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

Peace of mind through… Well-being Performance

Green Premium products are RoHS and REACh compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

Improved sales through… Differentiation

Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations we can support our customers in meeting their sustainability goals such as green building certifications.

The Green Premium program stands for our commitment to deliver customer valued sustainable performance. It has been upgraded with recognized environmental claims and extended to cover all offers including Products, Services and Solutions.

More than 75% of our product sales offer superior transparency on the material content, regulatory information and environmental impact of our products:

- RoHS compliance
- REACh substance information
- Industry leading # of PEP’s*
- Circularity instructions

*PEP: Product Environmental Profile (i.e. Environmental Product Declaration)
Contents

Presentation
EVlink charging solutions: giving confidence in the future p. 4

How it works
p. 7
The electric vehicle
p. 8
Where to charge
p. 9
Charging
p. 10

The EVlink product range
p. 13
9 selection criteria for charging station
p. 14
Communicating charging stations
p. 16
Overview of EVlink offer
p. 18
EVlink Wallbox
p. 20
EVlink Smart Wallbox
p. 26
EVlink Parking
p. 32
EVlink DC fast charge
p. 40
Electric vehicle simulation tool
p. 44
EVlink cable
p. 46

Managing the charging station energy
p. 49
Load management
p. 50
Cluster of charging stations supplied
p. 52
by the facility network
Cluster of charging stations directly supplied
p. 53
by the utility grid
Control of cluster of charging stations
p. 54
Evlink Load Management System
p. 55

Solutions for your project
p. 57
Solutions for your project
p. 58
"Turnkey" project
p. 59
Services for contractors
p. 60
Services for operators
p. 61

List of references
p. 63
EVlink charging solutions:

- IEC standards compliance
- Network of installation and service partners
- Worldwide customer support
giving confidence in the future

90,000 stations in 50 countries

"Worldwide availability of our charging station and service offers is the best proof of our long-term engagement."
How it works
The electric vehicle

4 major items:

1. **Motor**
   The vehicle has one or more motors. Depending on size and performance, the total power ranges between 15 and 200 kW. Example: 48 kW (65 hp) for a small 4-seater sedan.

2. **Batteries**
   Battery technology has made very significant progress in recent years. Lead has gradually been replaced by other, more efficient compounds. Research continues with a view to improving capacity and reducing weight. The most common technology at present is lithium-ion.
   These new batteries have no memory effect and can therefore be charged without having to be completely empty beforehand. They are present in telephones, laptop computers, and some aircraft, as well as in electric vehicles.

3. **On-board charger**
   The vehicle is fitted with one battery charger supplied in AC by the charging station that defines the maximum charging current available. In some vehicles the battery charger may also be supplied in DC by the charging station.

4. **Charging inlet**
   The vehicle is fitted with at least one inlet for AC charging. In some vehicles the inlet can also be used for DC fast charging or is completed by a second inlet for DC fast charging.
Where to charge

At home
A charging station for private use installed in the garage.

At home — condominium
A charging station for indoor or outdoor use, installed in a private parking place.

At work
More and more companies have installed charging stations in their own parking areas. They have a choice of whether users can charge their batteries for free or pay a fee.
Municipal fleets and the fleets of delivery services, as well as government departments generally have parking areas fully equipped to charge their electric vehicles.

In private parking area
To meet new customer demands, the operators of covered public parking areas frequently offer charging stations. They can generally be accessed with a badge based on various commercial conditions.
Municipalities and car park managers are now developing these services.

On street
Involved in new green mobility deployment, municipalities are giving access to a network of charging stations located on the street or in public parking areas. Charging stations can generally be accessed with a badge or thanks to a Smartphone App., based on various commercial conditions.
Electric car sharing is another service offer that municipalities now promote. Charging station networks allow combined use by car-sharing services and electric vehicle drivers.

At service station
Service stations equipped for fast charging are appearing at test locations in some countries. Customers use the 30-minute charging time to take a break or shop in the supermarket.
The charging mode determines the protection level

- **Low**: Mode 1
  - Direct connection of the vehicle to the grid
    - Non-dedicated power socket (domestic socket)
    - Simple cable
    - Risk of overheating
    - Prohibited in the United States

- **Acceptable**: Mode 2
  - Direct connection of the vehicle to the grid
    - Non-dedicated power socket
    - Cable with communicating charge monitoring device

- **High**: Mode 3
  - Direct connection of the vehicle to the grid
    - Dedicated power socket incorporating charge monitoring
    - Dedicated cable (attached to the charging station or not)

- **Indirect connection**: Mode 4
  - Indirect connection of the vehicle to the grid via an external charger
    - Direct-current external charger incorporating charge monitoring
    - Dedicated attached cable

Mode 2, Mode 3 or Mode 4 determines the type of charging connectors

- **Mode 2**: Vehicle inlet
  - Domestic power socket
  - Type 1
  - Type 2

- **Mode 3**: Car inlet
  - Socket outlet or attached cable
  - Type 1
  - Type 2
  - CCS Combo 2
  - Type 2 with or without shutters

- **Mode 4**: Car inlet
  - DC charging station
  - Type 2
  - CHAdeMO
  - Combo 2
  - Attached cable

*Focus on technology*

A "COM" wire allows data communication between the vehicle and the charging station. The charging process starts only if the following information is OK:
- Vehicle earthing
- Indication of the charging cable rating
The effective charging capacity is that of the weakest "link", for example:

<table>
<thead>
<tr>
<th>Vehicle charger</th>
<th>Cable/charging mode</th>
<th>Charging point</th>
<th>Effective charging capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 kW</td>
<td>2.3 kW (Mode 2)</td>
<td>Domestic power socket</td>
<td>2.3 kW</td>
</tr>
<tr>
<td>7 kW</td>
<td>7.4 kW (Mode 3)</td>
<td>Charging station</td>
<td>7.4 kW</td>
</tr>
</tbody>
</table>

The power of the source determines the charging speed*.

Example: for a vehicle with a 40 kWh battery:

<table>
<thead>
<tr>
<th>Source used</th>
<th>Domestic power socket</th>
<th>Dedicated AC power socket</th>
<th>Dedicated DC power socket</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single-phase: 2.3 kW</td>
<td>Single-phase: 7.4 kW</td>
<td>Three-phase: 22 kW</td>
</tr>
<tr>
<td></td>
<td>16 h</td>
<td>7 h</td>
<td>2h30 min</td>
</tr>
</tbody>
</table>

% of charge reached in 30 min

- 3%
- 7%
- 20%
- 25%

(*) Subject to the use of a suitable cable.

Focus on technology

**Electrical distribution architecture**

**Standalone**

One or several charging stations can be connected to the same protection panel and operate independently. The protection could also be installed in the Parking station floor base (see chapter page 32). Each charging station operates independently. They are protected upstream and their consumption can be measured. The charging stations can be connected to a supervision.

**Clustered**

An alternative way is to manage energy availability: EVlink Load Management System. It makes it possible to consider various needs related to the use of the vehicles that will be charged. A cluster consists of charging stations, from 3 to 1000 charging stations, controlled by Load Management System, power meter, 3G/4G modem, etc., that can be connected to a supervision.
The EVlink product range
Electric vehicle charging stations
# 9 selection criteria for charging station

## Electrical

### Power per socket
- 3.7 kW - 7.4 kW
- 11 kW - 22 kW
- 22 kW - 43 kW (AC) - 24 kW (DC)

#### Single-phase main supply
#### Three-phase main supply

### Charging mode
- **Mode 2**
  - Use of charging cable equipped with its control interface.
- **Mode 3**
  - Advanced charging control with communication between station and vehicle. Use of direct charging cable.
- **Mode 4**
  - Advanced charging control with communication between station and vehicle for DC charging mode.

### Socket outlet
- **Domestic**
  - Up to 2.3 kW
- **Type 2**
  - Up to 22 kW
- **Attached cable type 1**
  - AC type 1: up to 7.4 kW
- **Attached cable type 2**
  - AC type 2: up to 22 kW
- **Combo 2 CHAdeMO**
  - 24 kW

## Usage

### Socket outlet access
- Free access
- Key
- Authentication
  - Key lock.
  - Access with RFID badge or via Smartphone apps for connected stations. Function depending whether connected station or not.

## Load management

### Optimized Cost & Service continuity
- **C1-type:** "Optimized cost" - delayed start or temporary current limitation
- **C2-type:** "Opt. cost + Service continuity" - delayed start or temporary current limitation + real-time max charging current control

### Optimized charging time
- For not connected charging station. Remaining available power is split between the 2 cars, giving priority to the one with less energy or time already allocated, to prevent tripping.

### Optimized charging station management
- For charging station cluster connected to a facility network. A global energy management is provided (facility network + stations) in order to preserve site or building services availability and optimize vehicle charging.

## Connectivity

### Yes - No

#### Enabling communication (wired, WiFi, 3G/4G modem) to the cloud-based supervision.

## Installation

### Mounting
- **On Wall**
  - Cabinet fixed on wall.
- **On Floor**
  - Cabinet with integrated or separate pole.

### Protection

#### Electrical
- D-type: built-in DC fault current detection (RDC-DD)
- I-Type: protection devices can be installed on pedestal
- F-type: factory mounted protection device

#### Mechanical
- **IP54**
  - Protection from dust, splashing water. Outdoor use is possible.
- **IP55**
  - Protection from dust, low pressure water jets. Outdoor use is possible.
- **IK10**
  - Resistance to pendulum shock: mass of 5 kg, 40 cm string.

### Aspect

#### Stylish
- White resistant plastic casing.

#### Robust
- Metallic casing.

#### Robust +
- Antivandalism features. Metallic casing, extra keyboard protection.
### EVlink Wallbox

<table>
<thead>
<tr>
<th>'Standard'</th>
<th>'Plus'</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Charging power (kW)</th>
<th>3.7</th>
<th>7.4</th>
<th>3.7</th>
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<tbody>
<tr>
<td>11</td>
<td>22</td>
<td>11</td>
<td>22</td>
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<thead>
<tr>
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<th>2</th>
<th>Mode 2</th>
<th>3</th>
<th>Mode 3</th>
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<th>Mode 4</th>
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<tr>
<td>3</td>
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<table>
<thead>
<tr>
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<th>T2</th>
<th>T2</th>
<th>T2</th>
<th>T2 + D</th>
<th>D</th>
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<tbody>
<tr>
<td>Attached cable</td>
<td>ACT1</td>
<td>ACT2</td>
<td>ACT1</td>
<td>ACT2</td>
<td>D</td>
</tr>
<tr>
<td>Domestic</td>
<td>ACT1</td>
<td>ACT2</td>
<td>ACT1</td>
<td>ACT2</td>
<td>D</td>
</tr>
<tr>
<td>ACT1</td>
<td>Att. cable with plug Type 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACT2</td>
<td>Att. cable with plug Type 2</td>
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<tr>
<td>T2</td>
<td>Plug type 2 (optional shutter)</td>
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<thead>
<tr>
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<th>K</th>
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<tr>
<td>F</td>
<td>Free access</td>
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</tr>
<tr>
<td>K</td>
<td>Key lock</td>
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<td></td>
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<tr>
<td>A</td>
<td>Authentication</td>
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<tr>
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<th>C2</th>
<th>C1 + M</th>
<th>C1 + T + M</th>
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<tr>
<td>C1</td>
<td>Optimized Cost</td>
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<tr>
<td>C2</td>
<td>Opt. Cost + Service Continuity</td>
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<td></td>
<td></td>
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<tr>
<td>T</td>
<td>Opt. Charging Time</td>
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<td></td>
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<tr>
<td>M</td>
<td>Opt. Station Management</td>
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<th>N</th>
<th>Y</th>
<th>N</th>
<th>Y</th>
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<tbody>
<tr>
<td>Y</td>
<td>Yes (ready to connectivity)</td>
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<th>F</th>
<th>W</th>
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<th>W</th>
<th>F</th>
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<tbody>
<tr>
<td>W</td>
<td>Wall</td>
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<tr>
<td>F</td>
<td>Floor</td>
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<th>55</th>
<th>10</th>
<th>54</th>
<th>10</th>
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<tbody>
<tr>
<td>D</td>
<td>Built-in DC filter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Possible on-site mounting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Factory-mounted</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>Dust + splashing water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>Dust + low pressure water jet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>5 kg shock</td>
<td></td>
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<table>
<thead>
<tr>
<th>Aspect</th>
<th>S</th>
<th>S</th>
<th>S</th>
<th>R</th>
<th>R+</th>
<th>R+</th>
</tr>
</thead>
</table>

For eligible countries:

(*) 54 for Smart Wallbox with T2+D sockets
Communicating charging stations

Charging station connectivity
EVlink Parking and EVlink Smart Wallbox charging stations are fitted with Ethernet ports (cable). EVlink Smart Wallbox can be equipped with an additional WiFi module for connection to a wireless LAN (no direct WiFi between PC and charging station).

Communication for commissioning purpose
Charging stations settings are customized during the commissioning phase. Their Ethernet port must be connected to a standard PC for this purpose. No WiFi connection available at this stage.

Communication for maintenance purpose
Later changes of charging stations settings are sometime requested. They can be achieved by either:
- direct connection to charging station Ethernet port,
- or connection via a LAN, avoiding to open/close the charging station.
Communication for Cloud supervision

EVlink Parking and EVlink Smart Wallbox access to the Cloud is available with 3G/4G or DSL technologies, and OCPP protocol.

Examples of possible Supervision services:
• User Access Management
• Getting Charge Details Records
• Reporting
• Asset management.

1. OCPP. Open Charge Point Protocol standard.
2. 4G modem: switches to 3G if no 4G covering.
Overview of EVlink offer

**EVlink Wallbox**
- Outdoor or indoor use
- Wall-mounted or floor-standing*
- Power range: 3.7 to 22 kW
- T2 socket outlet (with or without shutters) or attached cable with T1 or T2 connector
- Key lock to prevent cable theft and to prevent starting and stopping a charging session
- Delayed start or temporary current limitation capability

**Wallbox 'Standard'**
- Same features as Wallbox 'Standard'

**Additional functions:**
- Built-in protection against residual direct current
- TIC interface with French utility meters to avoid the risk of tripping of connection to the grid

(*) Pole as an accessory.

**EVlink Smart Wallbox**
- Outdoor or indoor installation
- Wall-mounted or floor standing*
- Power Range: 7.4 kW or 22 kW with permanent derating option
- Socket outlet (T2/T2S) + domestic socket option (TE) or attached cable (T2/T1)
- Key lock to prevent cable theft and to prevent starting and stopping a charging session
- RFID badge authentication
- Energy metering capacity
- Optional communication module (Wifi and/or 3G/4G) or Ethernet to connect to a Supervision.

**EVlink Parking**
- Outdoor or indoor installation
- Wall-mounted or floor standing*
- Power Range: 7.4 kW to 22 kW with permanent derating option
- 1 or 2 socket outlet (T2/T2S) + domestic socket option (TE)
- Free access or RFID badge authentication
- Energy metering capacity with automatic load balancing through commissioning
- Optional communication module (3G/4G) or Ethernet to connect to a Supervision.

(*) Pole as an accessory.

**Load management, supervision**

Energy, communication management functions
- Avoid facility disruptions
- Reduce energy cost
- Increase driver satisfaction
- Make operation more efficient
- Local monitoring, no cloud subscription.

Enterprise-wise management, supervision
- Usage analysis
- Remote maintenance
- Drivers management.
EVlink DC fast charge*

- Outdoor or Indoor installation
- Floor Standing
- Wall-mounted or floor standing with pedestal*
- Max DC output power: 24 kW

4 wallmounted charging stations
- 2 x monostandard charging stations: either with 'CHAdeMO' socket, or with 'CCS Combo 2' socket
- 1 x bistandard charging station with 'CHAdeMO' socket + 'CCS Combo 2' socket
- 1 x tristandard charging station with 'CHAdeMO' socket + 'CCS Combo 2' socket + 'AC 22kW T2' socket.
- Free access or RFID badge authentication.

(*) Pedestal to be ordered separately.

EVlink accessories & spare parts

- Outdoor or Indoor installation with vandalism resistant enclosure
- Floor Standing
- 1, 2 or 3 charge points Mode 3 and Mode 4 (one charge point in option)
- Max DC output power: 50 kW (on CHAdeMo and Combo 2 Type connector)
- Max AC output power: 22 kW and 43 kW (on Type 2 connector)
- Free access or RFID badge authentication.

- Floor standing and wall mounted bases
- Socket outlets, charging cables, cable holder
- Caps, covers
- Pack of 10 RFID badges
- Electric vehicle simulation tool
- Key lock
- 3G/4G modem
- Wi-Fi card.

EVlink Services

EVlink Services: Solutions for your projects
As an energy management specialist, Schneider Electric offers the following services:
- Installation audit and commissioning by trained engineers or certified installers
- Warranty extension (on standard 24 months warranty)
- Training of your staff
- Spare parts offer for all EVlink charging stations.
EVlink Wallbox

In short

EVlink Wallbox, a range made of Wallbox 'Standard' and Wallbox 'Plus'

Extensive choice

Wallbox 'Standard' and Wallbox 'Plus' are each available in 14 versions:
• Rated charging power: 3.7, 7.4, 11 or 22 kW
• T2 socket outlet (with or without shutter) or attached cable (with T1 or T2 connector)

Charging station QR Code
• To get the product datasheet or to join Customer Care Center with "mySchneider" app, flash the QR Code with your usual QR Code reader.
• To access cloud-based EcoStruxure™ Facility Expert app maintenance organizer: charging station registration, maintenance reports, (see page 25)

Robustness
• Highly robust to mechanical impact: IK10
• Suitable for outdoor use: IP54
• Heavy duty T2 socket outlet with silver plated contacts avoiding overheating

Easy to use
• "Plug and charge"
• One-touch stop/restart
• Attached cable rolled up around the Wallbox
• 1 or 2 charging stations mounted on the same pole

Energy management options
Only one option to be selected at once, or none
• Delayed start to charge only in off-peak hours
• Temporary current limitation from 16 A (3.7 and 11 kW) to 10 A, or from 32 A (7.4 and 22 kW) to 16 A, to cut the risk of electric overload
• Permanently adjust the maximum charging current available for the vehicle, to avoid tripping (utility meter or incoming circuit-breaker) when the overall consumption of the home is close to the subscribed power.
The first two options are activated by closing an external contact (off-peak switch, load-shedding device, etc) hardwired to the single digital input. The third option is only available in Wallbox Plus when using the TIC ("Télé-Information Client") interface of French utility meters (single-phase residential only with Linky and former electronics meters).

Protection against earth leakage current (Wallbox Plus only)

Wallbox Plus is fitted with a built-in protection against residual direct current (RDC-DD, as "Residual Direct Current Detecting Device"). This makes it possible to use an upstream type A protection against residual current (RCD) both in single-phase and three-phase, in accordance with the CENELEC HD 60364-7-722:2016 electrical installation standard.

Please note that despite the mandatory application of this new standard since February 2019, some countries may have not yet updated their national standard accordingly. National standards and codes prevail and the use of a RCD type A combined with a RDC-DD may be prohibited in three-phase.
Application

EVlink Wallbox 'Standard' and EVlink Wallbox 'Plus'

Wallbox Standard and Wallbox Plus are recommended for homes, as well as tougher environments (condominium, corporate car park, hotel, etc.), because of their weatherproof and robust design.

Discovery

- Single connector attached cable
- Stop/restart button and charging status indicator light
- Locking the station with the key
  • Impossible to insert the plug
  • Impossible to extract the cable
  • Impossible to stop/start charging
- Locking the station and cable with the key
- Cable unlocking button

Charging station unlocked
Charging station locked

Charging station with attached cable
Charging station with socket outlet

Easy to install

Installation by a single technician in less than 30 minutes, no special tools required
Top, bottom or back side wiring
Immediate commissioning
The EVlink product range

EVlink Wallbox

Characteristics

EVlink Wallbox 'Standard' and EVlink Wallbox 'Plus'

Power supply network
- 220 - 240 V single-phase – 50/60 Hz for 3.7 and 7.4 kW charging stations
- 380 - 415 V three-phase – 50/60 Hz for 11 and 22 kW charging stations
- Suitable earthing systems:
  - TT, TN-S, TN-C-S
  - IT (may require the addition of an isolating transformer to make it possible to charge certain vehicles)

Mechanical and environmental characteristics
- 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 exclusive options: delayed charging start, temporary current limitation, real time maximum charging current control (Wallbox Plus only, combined with TIC interface of French utility meters)

Access control modes
- Free access
- Control by key lock, including charging cable locking

Warranty
- 24 months for the entire EVlink range

Standards
- IEC/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

Z.E. READY

> ROHS compliant
> Reach compliant
> EoLi: End Of Life Process
> Product Environmental Profile compliant

Certification
EVlink Wallbox has obtained the CB test certificate issued by the LCIE test laboratory, establishing compliance with the IEC 61851-1 and IEC 61851-22 standards.

(*) Granted to Wallbox Standard, planned for Wallbox Plus.
## Charging station references

### EVlink Wallbox

<table>
<thead>
<tr>
<th>Description</th>
<th>Socket outlet or connector type</th>
<th>Power (kW)</th>
<th>Phases</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>With socket outlet on right side&lt;sup&gt;(1)&lt;/sup&gt;- Silver-plated contacts</td>
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<tr>
<td>T2</td>
<td>3.7 (1P - 16 A)</td>
<td>EVH2S3P02K</td>
<td>EVH3S3P02K</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7.4 (1P - 32 A)</td>
<td>EVH2S7P02K</td>
<td>EVH3S7P02K</td>
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<tr>
<td></td>
<td>7.4 (1P - 32 A)</td>
<td>EVH2S7P02K</td>
<td>EVH3S7P02K</td>
<td></td>
</tr>
<tr>
<td>T2 with shutters</td>
<td>3.7 (1P - 16 A)</td>
<td>EVH2S3P04K</td>
<td>EVH3S3P04K</td>
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<tr>
<td></td>
<td>7.4 (1P - 32 A)</td>
<td>EVH2S7P04K</td>
<td>EVH3S7P04K</td>
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</tr>
<tr>
<td></td>
<td>11 (3P - 16 A)</td>
<td>EVH2S11P02K</td>
<td>EVH3S11P02K</td>
<td></td>
</tr>
<tr>
<td></td>
<td>22 (3P - 32 A)</td>
<td>EVH2S22P02K</td>
<td>EVH3S22P02K</td>
<td></td>
</tr>
<tr>
<td>With attached cable 4 m, on right side - Silver-plated contacts</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1</td>
<td>3.7 (1P - 16 A)</td>
<td>EVH2S3P0AK</td>
<td>EVH3S3P0AK</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7.4 (1P - 32 A)</td>
<td>EVH2S7P0AK</td>
<td>EVH3S7P0AK</td>
<td></td>
</tr>
<tr>
<td>T2</td>
<td>3.7 (1P - 16 A)</td>
<td>EVH2S3P0CK</td>
<td>EVH3S3P0CK</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7.4 (1P - 32 A)</td>
<td>EVH2S7P0CK</td>
<td>EVH3S7P0CK</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11 (3P - 16 A)</td>
<td>EVH2S11P0CK</td>
<td>EVH3S11P0CK</td>
<td></td>
</tr>
<tr>
<td></td>
<td>22 (3P - 32 A)</td>
<td>EVH2S22P0CK</td>
<td>EVH3S22P0CK</td>
<td></td>
</tr>
</tbody>
</table>

<sup>(1)</sup> Cable available as an accessory.

### Protections and options with Wallbox Standard

<table>
<thead>
<tr>
<th>Description</th>
<th>Single-phase</th>
<th>Three-phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charging Rated Power - Current</td>
<td>3.7 kW - 16 A</td>
<td>7.4 kW - 32 A</td>
</tr>
<tr>
<td>Protection Circuit breaker (overcurrent)&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>20 A Curve C</td>
<td>40 A Curve C</td>
</tr>
<tr>
<td>RCD (residual current)&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td>30 mA B Type for EV&lt;sup&gt;(3)&lt;/sup&gt;: A9Z51225</td>
<td>30 mA B Type for EV&lt;sup&gt;(3)&lt;/sup&gt;: A9Z51240</td>
</tr>
<tr>
<td>Under voltage tripping auxiliary with iC60</td>
<td>A9A26969 (optional)</td>
<td>A9A26969&lt;sup&gt;(3)&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>with DT40</td>
<td>A9N26969&lt;sup&gt;(3)(4)&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>Delayed start Relay</td>
<td>With normally open contact</td>
</tr>
<tr>
<td></td>
<td>Temporary current limitation Relay</td>
<td>With normally open contact</td>
</tr>
</tbody>
</table>

### Protections and options with Wallbox Plus

<table>
<thead>
<tr>
<th>Description</th>
<th>Single-phase</th>
<th>Three-phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charging Rated Power - Current</td>
<td>3.7 kW - 16 A</td>
<td>7.4 kW - 32 A</td>
</tr>
<tr>
<td>Protection Circuit breaker (overcurrent)&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>20 A Curve C</td>
<td>40 A Curve C</td>
</tr>
<tr>
<td>RCD (residual current)&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td>30 mA A-SI Type&lt;sup&gt;(3)&lt;/sup&gt;: A9Z61225</td>
<td>30 mA A-SI Type&lt;sup&gt;(3)&lt;/sup&gt;: A9Z61240</td>
</tr>
<tr>
<td>Under voltage tripping auxiliary with iC60 with DT40</td>
<td>A9A26969&lt;sup&gt;(3)&lt;/sup&gt;</td>
<td>A9A26969&lt;sup&gt;(3)&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>Delayed start Relay</td>
<td>With normally open contact</td>
</tr>
<tr>
<td></td>
<td>Temporary current limitation Relay</td>
<td>With normally open contact</td>
</tr>
</tbody>
</table>

<sup>(1)</sup> References to be defined and local availability to be checked by Schneider Electric front offices.

<sup>(2)</sup> In accordance with the electrical installation standard HD 60364-7-722:2016. Refer to local regulation.

<sup>(3)</sup> Necessary to meet EV Ready requirements.

<sup>(4)</sup> Mandatory for safety in case of charging station damage further to a short-circuit created by the vehicle.

The charging station operates autonomously. It has a dedicated protective device.

**Installation:** by an electrician

**Location:** residential, private usage
The EVlink product range

**EVlink Wallbox**

### Accessory references

**EVlink Cable**
- To connect the car to the charging station. Available with a T1 or T2 connector.

**Electric vehicle simulation tool**
- Enables an operating check in the field of the charging station and charging cable. Reference: NCA93100

**Pedestal mounting pole**
- Floor standing of 1 or 2 Wallbox. Reference: EVP1PBSSG

**Please refer to page 46**

### Spare part references

<table>
<thead>
<tr>
<th>Front panel</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EVP1HCWN</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Key lock</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key lock Random (1)</td>
<td>EVP1HLSR</td>
</tr>
<tr>
<td>Key lock Single (1)</td>
<td>EVP1HLSS</td>
</tr>
</tbody>
</table>

- Example:
  - If you order one EVP1HLSL, you will receive 1 lock + 2 keys with same code.
  - If you order one EVP1HLSS, you will receive 10 locks + 20 keys with same code for all keys.

<table>
<thead>
<tr>
<th>Socket outlet</th>
<th>T2S single-phase</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>T2 single-phase</td>
<td>EVPN1HSM21</td>
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<tr>
<td>T2S three-phase</td>
<td>EVPN1HSM43</td>
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<td>T2 three-phase</td>
<td>EVPN1HSM23</td>
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<table>
<thead>
<tr>
<th>Attached cable</th>
<th>T1 charging connector</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 A single-phase</td>
<td>EVP2CNS161A4</td>
<td></td>
</tr>
<tr>
<td>32 A single-phase</td>
<td>EVP2CNS321A4</td>
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<table>
<thead>
<tr>
<th>T2 charging connector</th>
<th>References</th>
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<tbody>
<tr>
<td>16 A single-phase</td>
<td>EVP2CNS161C4</td>
</tr>
<tr>
<td>32 A single-phase</td>
<td>EVP2CNS321C4</td>
</tr>
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</table>

| 16 A three-phase | EVP2CNS163C4 |
| 32 A three-phase | EVP2CNS323C4 |
Dimensions (mm)

5.6 kg (Wallbox Standard)
6.3 kg (Wallbox Plus)
7.5 kg (Wallbox Standard with attached cable)
7.9 kg (Wallbox Plus with attached cable)

### Practical information

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>Technical document</th>
<th>Language</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick start guide</td>
<td>EN/ES/FR/DE</td>
<td>NHA31789</td>
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<td>IT/NL/PL/PT</td>
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**With attached cable**

<table>
<thead>
<tr>
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<th>Language</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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<td>IT/NL/PL/PT</td>
<td>NHA31788</td>
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<td></td>
<td>NO/SV/FI</td>
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</table>

### Additional information for Wallbox Standard

**Technical document**

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<th>References</th>
</tr>
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<tbody>
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</table>

**Instruction sheet**

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<tr>
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<th>References</th>
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<td>IT/NL/PL/PT</td>
<td>NHA31779</td>
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<tr>
<td>NO/SV/FI</td>
<td>QGH34400</td>
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</tbody>
</table>

**With attached cable**

<table>
<thead>
<tr>
<th>Language</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

**Instruction sheet**

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<tbody>
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<td>NHA31788</td>
</tr>
<tr>
<td>NO/SV/FI</td>
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</table>

### Additional information for Wallbox Plus

**Technical document**

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<tr>
<td>SV/ES/NL/IT</td>
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**Instruction sheet**

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</tr>
<tr>
<td>SV/ES/NL/IT</td>
<td>PHA92087</td>
</tr>
</tbody>
</table>

**Note:**

- (1) Delivered with the Wallbox.

To download the above documents, do a search by reference on [www.schneider-electric.com](http://www.schneider-electric.com).

---

**EcoStruxure™ Facility Expert**

Register your charging station and improve your maintenance efficiency now with EcoStruxure™ Facility Expert.

- EcoStruxure™ Facility Expert is a simple, cloud-based tool that helps you optimize maintenance activities. Download it for free on your PC or for your smart device at the Apple or Google Play store.
- You are ready to flash the product QR code with the EcoStruxure™ Facility Expert reader.

---

**Dimensions:**

- **5.6 kg** (Wallbox Standard)
- **6.3 kg** (Wallbox Plus)
- **7.5 kg** (Wallbox Standard with attached cable)
- **7.9 kg** (Wallbox Plus with attached cable)
The EVlink product range

EVlink Smart Wallbox

In short

Extensive choice

Charging station offer:
- Maximum charging power: 7.4 kW or 22 kW with a single-phase or three-phase power supply
- Maximum charging current can be adjusted from 8 A to 32 A
- T2 socket outlet with or without shutter
- T2 socket outlet with shutters + type E domestic socket outlet
- Attached cable with T1 or T2 connector
- Key locking or RFID user authentication

Charging station QR Code
- To get the product datasheet or to join Customer Care Center with "mySchneider" app, flash the QR Code with your usual QR Code reader.
- To access cloud-based EcoStruxure™ Facility Expert app maintenance organizer: charging station registration, maintenance reports, (see page 31)

Robustness
- Heavy duty socket outlet with silver plated contacts avoiding overheating
- High protection against mechanical impacts: IK10
- Suitable for outdoor use: IP54

Easy to install and commission
- Wall mounting or floor standing
- 1 or 2 charging stations on the same pole
- Easy wiring
- Integrated measuring of the apparent power
- Interface with an external MID energy meter
- Parameters setting through a web server embedded in the charging station

Energy management
- Delayed charging locally controlled by a wired contact to postpone charging to off-peak hours
- Temporary current limitation to a set value, controlled by a wired contact, to reduce the overall facility consumption and reduce the risk of power outage.
- Delayed charging and current limitation can also be controlled by the EV Load Management System, the supervision (over OCPP) or by the building management system (over Modbus)

Versatile connection to a supervision
- Wired Ethernet: 3 ports
- Wi-Fi module as an accessory
- 3G/4G modem as an accessory
- OCPP 1.5 or OCPP 1.6 interface

Services offer
- Worldwide network of certified installers providing on-site installation, on-site commissioning, maintenance plan and on-demand repair and asset management contracts
- Worldwide customer care center

Optimized architecture
- Standalone or clustered architecture
- Connected or not to a supervision (through OCPP 1.5 or OCPP 1.6 communication protocol)

Schneider Electric supports OCPP and is an active member of OCA (Open Charge Alliance).
Application

Smart Wallbox is recommended for all private and semi-public areas whenever there are needs of user authentication, charging sessions monitoring or charging assets management.

Discovery

Charging station with attached cable

Charging station with socket outlet

Key locking to avoid cable theft and use of the charging station by a third person

Optional domestic socket

User authentication in case of restricted access, for reporting, cost allocation or billing

Top, bottom or back side wiring

Installation by a single technician in less than 30 minutes; no special tools required

Easy commissioning with a laptop connected to the embedded webserver

What's inside an EVlink Smart Wallbox

Stop/restart button and charging status indicator light

1 or 2 Wallbox on optional mounting pole

Type 1

Type 2

Single connector attached cable

Easy to install and commission

For example, you can:

- configure RFID badges. All RFID badges are accepted by default (factory setting)
- amend the maximum current values per socket
- activate the functions: load shedding and conditional outgoing line per socket
- produce maintenance reports
- set up access to supervision
- ...
The EVlink product range

EVlink Smart Wallbox

Characteristics

Power supply
- Smart Wallbox can be supplied either in single-phase or in three-phase
- 220-240 V single-phase - 50/60 Hz
- 380-415 V three-phase - 50/60 Hz

Rated charging current
- T2/T2S socket-outlet: 8 A to 32 A (factory setting 16 A)
- TE socket-outlet: 10 A

Power consumption
- Power consumption of each conditional input (limitation and deferred start): 5 mA 24 V DC

Diagram of the earthing system
- TT, TN-S, TN-C-S
- IT (may require the addition of an isolating transformer for charging of certain vehicles)

Mechanical and environmental characteristics
- Ingress protection code: IP55
- Impact protection code: IK10
- Operating temperature: -30°C to +50°C
- Storage temperature: -40°C to +80°C
- Attached cable length: 4.5 m

Charging access
- Key locking
- User authentication through a RFID badge. Remote authentication by supervision or local setting of authorized badges
  - 13.56 MHz RFID reader for badges with chips Mifare Ultralight, Mifare Classic 1K / 4K, I Code SLI, Tag-it HFI, EM4135 ...
  (under ISO/IEC 14443 A&B, ISO/IEC 15693 protocols)
- 10 RFID badges provided with every RFID-type charging station

Warranty
- 24 months for the entire EVlink range

Standards
- IEC/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

Connectivity
- Wired Ethernet: 3 ports
  - Port 1: LAN
  - Port 2: Wi-Fi or 3G/4G
  - Port 3: connection to PC for commissioning
- Wi-Fi module as an accessory
- 3G/4G modem as an accessory
- OCPP 1.5 or OCPP 1.6 interface

Energy metering
- Integrated measuring of the apparent power
- Interface with an external MID energy meter

Commissioning
- Parameters setting through a web server embedded in the charging station.

Certification
EVlink Smart Wallbox has obtained the CB test certificate issued by the LCIE test laboratory, establishing compliance with the IEC 61851-1 and IEC 61851-22 standards.
Charging station references

EVlink Smart Wallbox

<table>
<thead>
<tr>
<th>Description</th>
<th>Socket outlet or connector type</th>
<th>Charging access</th>
<th>Power (kW)(^{(1)})</th>
<th>Phases</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>With socket outlet on right side - Silver plated contacts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T2 Key</td>
<td>7.4 (1P) / 22 (3P)</td>
<td>EVB1A22P2KI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RFID (^{(2)})</td>
<td>7.4 (1P) / 22 (3P)</td>
<td>EVB1A22P2RI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T2 with shutter Key</td>
<td>7.4 (1P) / 22 (3P)</td>
<td>EVB1A22P4KI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RFID (^{(2)})</td>
<td>7.4 (1P) / 22 (3P)</td>
<td>EVB1A22P4RI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T2 with shutter and TE (domestic) Key</td>
<td>7.4 (1P) / 22 (3P)</td>
<td>EVB1A22P4EKI</td>
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<td></td>
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</tr>
<tr>
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</tr>
<tr>
<td>With attached cable 4.5 m, on right side - Silver plated contacts</td>
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</tr>
<tr>
<td>T1 Key</td>
<td>7.4 (1P)</td>
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<tr>
<td>RFID (^{(2)})</td>
<td>7.4 (1P)</td>
<td>EVB1A7PARI</td>
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<tr>
<td>T2 Key</td>
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<tr>
<td>RFID (^{(2)})</td>
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<tr>
<td>T2 Key</td>
<td>22 (3P)</td>
<td>EVB1A22PCKI</td>
<td></td>
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<tr>
<td>RFID (^{(2)})</td>
<td>22 (3P)</td>
<td>EVB1A22PCRI</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^{(1)}\) Factory setting: 16 A - and all RFID badges validated. Can be replaced by customer setting (32 A, list of RFID badges...) using a PC via embedded webserver (see commissioning guide DOCA0060).
\(^{(2)}\) Includes 10 RFID badges.

Protective devices and optional equipment

New installation: supply line and protection devices must be defined for the highest power setting.

<table>
<thead>
<tr>
<th>Description</th>
<th>Single-phase</th>
<th>Three-phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power - Current</td>
<td>7.4 kW - 32 A (^{(3)})</td>
<td>22 kW - 32 A (^{(4)})</td>
</tr>
</tbody>
</table>

Protection

| Circuit breaker (overcurrent) \(^{(1)}\) | 40 A Curve C | 40 A Curve C |
| RCD (residual current) \(^{(2)}\) | 30 mA B Type for EV: A9Z51240 | 30 mA B Type for EV: A9Z51440 |
| 30 mA B-SI Type \(^{(3)}\): A9Z51240 | 30 mA B-SI type for EV: A9Z51440 |

Under voltage tripping auxiliary with iC60

| A9A26969 \(^{(3)}\) | A9A26969 \(^{(3)}\) |

| Under voltage tripping auxiliary with DT40 | A9N26969 \(^{(3)}\) | A9N26969 \(^{(3)}\) |

Deferred start

| Relay | With normally open contact \(^{(5)}\) |

Load-shedding

| Relay | With normally open contact \(^{(5)}\) |

\(^{(1)}\) References to be defined and local availability to be checked by Schneider Electric front offices.
\(^{(2)}\) In accordance with the electrical installation standard HD 60364-7-722:2016. Refer to local regulation.
\(^{(3)}\) Necessary to meet EV Ready requirements.
\(^{(4)}\) Without or with domestic socket.
\(^{(5)}\) Smart Wallbox setting can be changed to "normally closed" is necessary, with commissioning tool.

The charging station operates autonomously. It has a dedicated protective device.

Installation: by an electrician

Location: residential, private usage
The EVlink product range

EVlink Smart Wallbox

Accessory references

EVlink Cable
Available with T1 or T2 connector.

Electric vehicle simulation tool
Enables operating check of the charging station and charging cable.
Reference: NCA93100

Pedestal mounting pole
Floor standing of 1 or 2 Smart Wallbox.
Dim.: 1452 x 320 x 165 mm
Reference: EVP1PBSSG

Modem
Modems to be mounted inside the Smart Wallbox.
3G/4G Modem
Reference: EVP2MM

WiFi module
To be mounted inside the Smart Wallbox.
Reference: EVP1MWSI

Pack of 10 RFID badges
For charging stations equipped with an RFID reader. The badges are supplied blank, ready to be programmed to identify an administrator or user. Sheet of adhesive labels for badges: 1 administrator + 9 users.
Reference: EVP1BNS

Antenna for Smart Wallbox
GPRS/3G/4G modem
Antenna must be ordered separately:
Ethernet cable 0.3 m included.
To be mounted inside the Smart Wallbox.
Reference: EVP2MX

Spare part references

Front panel
Reference: EVP1HCWN

Key lock
References:
Key lock Random (1) EVP1HLSR
Key lock Single (1) EVP1HLSS

Example:
- If you order one EVP1HLSR: you will receive 1 lock + 2 keys with same code.
- If you order one EVP1HLSS: you will receive 10 locks + 20 keys with same code for all keys.

Socket outlet

References
T2S EVP1BSE43
T2 EVP1BSE23
TE EVP1BSSE

Attached cable

References
T1 charging connector
32 A single-phase EVP1CBS321A45

T2 charging connector
32 A single-phase EVP1CBS321C45

32 A three-phase EVP1CBS323C45
Practical information

Dimensions (mm)

**With socket outlets**
- 6.2 kg (13.66 lb) - T2/T2S
- 6.6 kg (14.55 lb) - T2/T2S + TE

**With attached cable**
- 7.7 kg (15.43 lb) - 7.4 kW
- 8.3 kg (17.63 lb) - 22.1 kW

---

**Additional information**

<table>
<thead>
<tr>
<th>Charging station technical document</th>
<th>Language</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Guide (1) (model with socket outlet)</td>
<td>EN/FR/ES/IT</td>
<td>NHA95005</td>
</tr>
<tr>
<td></td>
<td>DE/NL/NO/SV</td>
<td>NHA95006</td>
</tr>
<tr>
<td>Installation Guide (2) (model with attached cable)</td>
<td>EN/FR/ES/IT</td>
<td>NHA95018</td>
</tr>
<tr>
<td></td>
<td>DE/NL/NO/SV</td>
<td>NHA95021</td>
</tr>
<tr>
<td>User guide (2)</td>
<td>EN/FR/ES/IT</td>
<td>NHA95096</td>
</tr>
<tr>
<td></td>
<td>DE/NL/NO/SV</td>
<td>NHA95097</td>
</tr>
<tr>
<td>Commissioning Guide (2) (standalone charging station)</td>
<td>FR</td>
<td>DOCA0060FR</td>
</tr>
<tr>
<td></td>
<td>EN</td>
<td>DOCA0060EN</td>
</tr>
</tbody>
</table>

(1) Delivered with the product.
(2) To be downloaded.

To download the above documents, do a search by reference on www.schneider-electric.com

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Register your charging station and improve your maintenance efficiency now with EcoStruxure™ Facility Expert.

- EcoStruxure™ Facility Expert is a simple, cloud-based tool that helps you organize maintenance records, follow-up on preventive maintenance, access log histories, create reports, and integrate remote alarming from your equipment.
- Let EcoStruxure™ Facility Expert help you optimize your maintenance activities. Download it for free on your PC or for your smart device at the Apple or Google Play store.
- You are ready to flash the product QR code with the EcoStruxure™ Facility Expert reader.

EcoStruxure™ Facility Expert

Available on the App Store

Get it on Google Play
The EVlink product range

EVlink Parking

In short

Extensive choice

Charging station offer
- Compliant with power supply network: 220-240 V / 380-415 V
- 7.4 kW or 22 kW (32 A for 230 / 400 V) and settable from 6 A to 32 A
- High robustness of Socket outlet (Type 2 or Type 2 with shutters) thanks to silver plated contact avoiding overheat
- Multiple configurations: user identification, one or two sockets outlets, floor-standing or wall-mounted

Charging station QR Code
- To get the product datasheet or to join Customer Care Center with "mySchneider" app, flash the QR Code with your usual QR Code reader.
- To access cloud-based EcoStruxure™ Facility Expert app maintenance organizer: charging station registration, maintenance reports, (see page 39)

Options
- Ethernet communication with supervision system via 3G/4G modem

Accessories offer
- Cables, RFID badges, cable holder, modem, etc.

Spare parts offer
- Floor base, wall base, socket outlet, caps, flap, etc.

Services offer
- Worldwide network of certified installers providing on-site installation, on-site commissioning, maintenance plan and on-demand repair and asset management contracts
- Worldwide customer care center

Optimized architecture
- Standalone or clustered architecture
- Connected or not to a supervision (through OCPP 1.5 or OCPP 1.6 communication protocol)
- Electrical protection devices in external cabinet or in the parking station floor base.

Easy commissioning with a laptop connected to the embedded webserver

For example, you can:
- configure RFID badges. All RFID badges are accepted by default (factory setting)
- amend the maximum current values per socket
- authorize the permanently attached cable (cable which remains attached permanently to the station)
- activate the functions: load shedding and conditional outgoing line per socket
- balance the charging powers (for 2-socket stations)
- produce maintenance reports
- set up access to supervision
- …

In short

EVlink Parking

Product QR code

Flash me

Cloud-connectable

Ethernet

At home - condominium

At work
Enhanced features
Benefit from advanced features and configure your charging station thanks to the EVlink embedded Web server.

- Adapt the charging station power demand to your electrical distribution:
  - configure load management per socket outlet or for the charging station
  - set automated load balancing between socket outlets for dual charging stations
  - set other related energy management features: load shedding, circuit breaker status, and postponed charge
- Select the relevant power-metering solution:
  - with current transformers already included in the cabinet
  - with additional power meters for higher metering precision, MID-compliant or not
- Adapt the charging station to your application:
  - activate or deactivate RFID badge reader
  - configure user privileges through RFID badge: VIP, administrators, regular users
  - select to allow the cable to remain permanently plugged in the charging station
  - configure IP address and network parameters
  - visualize Charge Detail Record (30 history)

Diagnosis and maintenance

- Perform diagnosis thanks to charging station front face LEDs or through the embedded Web server
- Restore factory default settings without a computer
- Upgrade the charging station with the latest firmware and benefit from additional features

Supervision capability

- Operate and maintain your charging infrastructure:
  - connect to supervision through OCPP 1.5 or OCPP 1.6 protocol
  - connect to local management system, such as Building Management System, through modbus TCP/IP

Schneider Electric supports OCPP and is an active member of OCA (Open Charge Alliance).
The EVlink product range

EVlink Parking

Characteristics

Power supply network

- Earthing system: TT, TN-S, TN-C-S
  - IT (may require the addition of an isolating transformer for charging of certain vehicles)
- Frequency: 50 Hz or 60 Hz
- Socket outlet supply circuit (1 circuit per socket outlet):
  - 220/240 V 1P+N or 380/415 V 3P+N
- Control circuit voltage (for charging station):
  - 220/240 V 1P+N

Charging modes

- Mode 2 with:
  - 10 A / Type E (FR standard) domestic socket
  - 10 A / Type F (DE standard) domestic socket
- Mode 3 with T2 socket outlet (with or without shutter)
- Communication between charging station and vehicle via charging cable as per IEC 61851

Charging access

User authentication through a RFID badge. Remote authentication by supervision or local setting of authorized badges

- 13.56 MHz RFID reader for badges with chips Mifare Ultralight, Mifare Classic 1K / 4K, I Code SLI, Tag-it HFI, EM4135 ...
  (under ISO/IEC 14443 A&B, ISO/IEC 15693 protocols)

Notes: RFID badges available on the market and standard are modified very often, so we advice to carry out prior test on our charging station to check compatibility
- 10 RFID badges provided with every RFID-type charging station

Mechanical and environmental

- Painted steel body, anti-corrosion treatment
- Protection: IP54 (IEC 60529), IK10 (IEC 62262)
- Operating temperature: -25°C to +40°C for Mode 2 / Mode 3 charging station
- Operating temperature: -25°C to +50°C for Mode 3 only charging station

IT Network connection

- TCP/IP
- FTP, SMTP or HTTP data retrieval
- Operations:
  - remote user authentication
  - retrieve data for Charging Data Record
  - charging station status monitoring
  - get remote commands

Certification

- CE and CB scheme (IEC 61851-1 and IEC 61851-22 standards)
- EV and ZE ready

Warranty

- 24 months for the entire EVlink range.
## Charging station references

### Floor standing

#### Mode 3

<table>
<thead>
<tr>
<th>Charging station type</th>
<th>No. of chargepoints</th>
<th>Socket outlet type</th>
<th>Power per socket outlet / Phases</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plug and charge - without RFID reader</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>T2</td>
<td>7.4 kW (1P - 32 A)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T2 with shutters</td>
<td>EVF2S7P04</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>T2</td>
<td>22 kW (3P - 32 A)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T2 with shutters</td>
<td>EVF2S7P44</td>
</tr>
<tr>
<td><strong>With RFID reader</strong>&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>T2</td>
<td>7.4 kW (1P - 32 A)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T2 with shutters</td>
<td>EVF2S7P04R</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>T2</td>
<td>22 kW (3P - 32 A)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T2 with shutters</td>
<td>EVF2S7P44R</td>
</tr>
</tbody>
</table>

<sup>(1)</sup> On the right side of the charging station.

<sup>(2)</sup> Includes 10 RFID badges.

### Wall mounted

#### Mode 3

<table>
<thead>
<tr>
<th>Charging station type</th>
<th>No. of chargepoints</th>
<th>Socket outlet type</th>
<th>Power per socket outlet / Phases</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plug and charge - without RFID reader</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>T2 - TF</td>
<td>7.4 kW (1P - 32 A)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T2 with shutters - TE</td>
<td>EVF2S7P4E</td>
</tr>
<tr>
<td><strong>With RFID reader</strong>&lt;sup&gt;(3)&lt;/sup&gt;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>T2 - TF</td>
<td>7.4 kW (1P - 32 A)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T2 with shutters - TE</td>
<td>EVF2S7P4ER</td>
</tr>
</tbody>
</table>

<sup>(1)</sup> Includes 10 RFID badges.

---

<sup>(1)</sup> On the right side of the charging station.

<sup>(2)</sup> Includes 10 RFID badges.
The EVlink product range

EVlink Parking

Accessory references

Electric vehicle simulation tool

Enables an operating check in the field of the charging station and charging cable.
Reference: NCA93100

Modem

Modems to be mounted inside-external cabinet-Floor standing base, with EVP1FKC (Din rail mounting kit)
3G/4G Modem
Reference: EVP2MM

Antenna for Parking 3G/4G modem

Antenna must be ordered separately.
Ethernet cable 1 m included.
Antenna to be mounted on the Floor base EVP2FBS (hole diam 22 mm)
Reference: EVP2MP

Pack of 10 RFID badges

For charging stations equipped with an RFID reader.
The badges are supplied blank, ready to be programmed to identify an administrator or user.
Sheet of adhesive labels for badges: 1 administrator + 9 users.
Reference: EVP1BNS

Protective cover

For wall-mounted charging stations.
Blocks user access to cable sockets used for wiring.
Degree of protection: IK10
Reference: EVP1WPSC

Cable holder

For floor-standing and wall-mounted EVlink Parking charging stations. (also compatible with EVF1•••••, EVW1••••• and EVlink Parking charging stations.)
Allows the cable to be wound up for easy storage and locked on the holder.
Reference: EVP1PH

DIN rail mounting kit

For using the floor standing charging station as an electrical enclosure.
Compatible only with floor standing charging station (ref. EVF2) and floor standing base (ref. EVP2FBS).
Reference: EVP1FKC

EVlink Cable

Please refer to page 39

Please refer to page 46
Spare part references

**Base**
- Floor-standing base. Reference: EVP2FBS
  - See page 39
- Wall-mounted base. Reference: EVP1WBS

**Enclosure**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.4 kW 1XT2</td>
<td>EVP2PE702</td>
</tr>
<tr>
<td>7.4 kW 1XT2 RFID</td>
<td>EVP2PE702R</td>
</tr>
<tr>
<td>7.4 kW 1XT2S</td>
<td>EVP2PE704</td>
</tr>
<tr>
<td>7.4 kW 1XT2S RFID</td>
<td>EVP2PE704R</td>
</tr>
<tr>
<td>7.4 kW 2XT2</td>
<td>EVP2PE722</td>
</tr>
<tr>
<td>7.4 kW 2XT2 RFID</td>
<td>EVP2PE723R</td>
</tr>
<tr>
<td>7.4 kW 2XT2S</td>
<td>EVP2PE744</td>
</tr>
<tr>
<td>7.4 kW 2XT2S RFID</td>
<td>EVP2PE744R</td>
</tr>
<tr>
<td>7.4 kW T2S-TE</td>
<td>EVP2PE74E</td>
</tr>
<tr>
<td>7.4 kW T2S-TE RFID</td>
<td>EVP2PE74ER</td>
</tr>
<tr>
<td>7.4 kW T2-TF</td>
<td>EVP2PE72F</td>
</tr>
<tr>
<td>7.4 kW T2-TF RFID</td>
<td>EVP2PE72FR</td>
</tr>
<tr>
<td>22 kW 1XT2</td>
<td>EVP2PE2202</td>
</tr>
<tr>
<td>22 kW 1XT2 RFID</td>
<td>EVP2PE2202R</td>
</tr>
<tr>
<td>22 kW 1XT2S</td>
<td>EVP2PE2204</td>
</tr>
<tr>
<td>22 kW 1XT2S RFID</td>
<td>EVP2PE2204R</td>
</tr>
<tr>
<td>22 kW 2XT2</td>
<td>EVP2PE2222</td>
</tr>
<tr>
<td>22 kW 2XT2 RFID</td>
<td>EVP2PE2222R</td>
</tr>
<tr>
<td>22 kW 2XT2S</td>
<td>EVP2PE2444</td>
</tr>
<tr>
<td>22 kW 2XT2S RFID</td>
<td>EVP2PE2444R</td>
</tr>
<tr>
<td>22 kW T2-TF</td>
<td>EVP2PE222F</td>
</tr>
<tr>
<td>22 kW T2-TF RFID</td>
<td>EVP2PE222FR</td>
</tr>
<tr>
<td>22 kW T2S-TE</td>
<td>EVP2PE24E</td>
</tr>
<tr>
<td>22 kW T2S-TE RFID</td>
<td>EVP2PE24ER</td>
</tr>
</tbody>
</table>

**Cap**
- Floor standing. Reference: EVP2FCG
- Wall mounted. Reference: EVP2WCG

**Socket outlet**
- Green socket outlet T2. Reference: EVP1PSS2
- Green socket outlet T2 with shutters. Reference: EVP1PSS4
- Green socket outlet TE. Reference: EVP1PSS4E
- Green socket outlet TF. Reference: EVP1PSSF
### Practical Information

#### Content - Only one person required

Only one person is required to handle and install the floor-standing or wall-mounted charging station. This is possible thanks to delivery in three packages weighing less than 20 Kg each.

#### Package contents and weight indication

- **Floor-standing charging station**
  - Package 1: Cap (17 Kg)
  - Package 2: Enclosure (20 Kg)
  - Package 3: Wall base (5 Kg)
  - Package 4: Floor base (13 Kg)

- **Wall-mounted charging station**
  - Package 1: Cap (8 Kg)
  - Package 2: Enclosure (20 Kg)
  - Package 3: Wall base (5 Kg)

#### Dimensions (mm)

- **Floor-standing charging station**
  - Height: 1500 mm
  - Width: 620 mm
  - Depth: 413 mm

- **Wall-mounted charging station**
  - Height: 1500 mm
  - Width: 250 mm
  - Depth: 130 mm

### Additional Information

To download the above documents, do a search by reference on www.schneider-electric.com
### Practical information

#### Recommended protective devices per charging station circuit

<table>
<thead>
<tr>
<th>Electrical circuit protection - Specifications / Recommendation</th>
<th>1P - T2 outlet</th>
<th>3P T2 outlet</th>
<th>1P+N Dom. socket</th>
<th>1P+N Ctrl circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powered device</td>
<td>1P - T2 outlet</td>
<td>3P T2 outlet</td>
<td>1P+N Dom. socket</td>
<td>1P+N Ctrl circuit</td>
</tr>
<tr>
<td>Rated Power - Current</td>
<td>7.4 kW - 32 A</td>
<td>22 kW - 32 A</td>
<td>2.3 kW - 10 A</td>
<td>100 W max.</td>
</tr>
<tr>
<td>Protective devices</td>
<td>40 A curve C</td>
<td>40 A curve C</td>
<td>16 A curve C</td>
<td>10 A curve C</td>
</tr>
<tr>
<td>Circuit breaker (overcurrent)</td>
<td>30 mA B Type for EV</td>
<td>A9Z51240</td>
<td>30 mA A-SI Type</td>
<td>A9Z61240</td>
</tr>
<tr>
<td>RCD (residual current)</td>
<td>30 mA B-SI Type</td>
<td>A9Z611440</td>
<td>30 mA A-SI Type</td>
<td>A9Z611440</td>
</tr>
<tr>
<td>Under voltage tripping auxiliary with iC60</td>
<td>A9A26969</td>
<td>A9A26969</td>
<td>A9A26969</td>
<td>A9A26969</td>
</tr>
<tr>
<td>Step 1: Wire protection device on the adapted rail.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step 2: Insert wired protection kit in the floor base.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step 3: Finish the wiring.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step 4: Install the prewired floor base on site.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

#### Easy installation with DIN rail mounting kit ref.: EVP1FKC

Compatible with floor standing charging station ref.: EVF2 and floor standing base EVP2FBS

Thanks to a modular floor base, installers can prepare wiring of protection devices at their workshops. This accessory allows to power the charging station with only one power cable, even for 2 plug-charging stations.

- **Step 1:** Wire protection device on the adapted rail.
- **Step 2:** Insert wired protection kit in the floor base.
- **Step 3:** Finish the wiring.
- **Step 4:** Install the prewired floor base on site.

---

#### What's inside an EVlink Parking charging station

- Register your charging station and improve your maintenance efficiency now with EcoStruxure™ Facility Expert.
  - EcoStruxure™ Facility Expert is a simple, cloud-based tool that helps you organize maintenance records, follow-up on preventive maintenance, access log histories, create reports, and integrate remote alarming from your equipment.
  - Let EcoStruxure™ Facility Expert help you optimize your maintenance activities. Download it for free on your PC or for your smart device at the Apple or Google Play store.
  - You are ready to flash the product QR code with the EcoStruxure™ Facility Expert reader.

---

[Check the QR code for more information.]
The EVlink product range

**EVlink DC fast charge**

**In short**

24 kW - 1 socket / single standard
24 kW - 2 or 3 sockets / multiple standards

24 kW stations are able to charge an electric vehicle in less than 1 hour. The range covers a large variety of needs with a choice of either, per station:

- 1 socket, CHAdeMO or CCS Combo 2
- 2 sockets, CHAdeMO + CCS Combo 2
- 3 sockets, CHAdeMO + CCS Combo 2 + AC Type 2 (front socket outlet with shutter, for AC current)

Communication with dual modem for separate operation & maintenance supervision.

**Installation**

- Indoor or outdoor
- Wall mounted, floor mounted with additional pedestal
- Installation in less than 2 hours (when supply cable is already installed)

**Maintenance**

- Reduced maintenance as there is no air filter to replace and a robust design (IP54, IK10) for uptime optimization

**Application**

EVlink Fast Charge stations are designed to charge a vehicle rapidly: 80% of capacity charged in less than 1 hour.

24 kW - 1 socket / single standard - charging stations provide fast charge at car dealerships, service centers, for utility vehicles or enterprise fleet.

24 kW - 2 or 3 sockets / multiple standards - charging stations are ideal solutions for shopping centers, restaurants, parking areas or for any work place or shared buildings.
Mechanical and environmental features

- Degree of protection: IP54 (except cordsets)
- Degree of mechanical protection: IK10
- Operating temperature: -25°C / +50°C (with derating above 35°C)
- Storage temperature: -20°C to 45°C
- Operating altitude: 2000 m max.
- Relative humidity: 10% to 95%

Power supply network and charging mode

- Power supply: 380 - 480 V, 3P + N + Earth, 50 – 60 Hz
- Nominal supply current: 37 A

Direct current charging (all charging stations)

- Charging in Mode 4 (IEC 61851-23)
- Charging power: 24 kW
- Charging voltage/current: 150 to 530 V DC / 1.5 to 65 A with CHAdeMO, CCS Combo 2 sockets
- Protected against short circuit, overload; Residual Current Device on DC output; protected against overheating, temperature regulated
- Cable length: 3.25 m

Alternating current charging (3-socket charging station only)

- Charging in Mode 3 (IEC 61851-22)
- Charging power: 22 kW
- Charging voltage/current: 400 V ± 10% AC, 3P + N + Earth, 32 A max., with the front AC Type 2 socket outlet

Communication

- Wireless 3G modem
- OCPP 1.6 LAN/TCP IP protocol

User interfaces

- 7-inch touch screen
- RFID card reader

Dimensions (cabinet without socket / cable)

- Wall mounted (mm): H 860 x L 507 x W 250
- Monostandard on pedestal (mm): H 1533 x L 536 x W 336
- Multistandard on pedestal (mm): H 1835 x L 536 x W 336

Standard compliance

- EV international standard: EN 61851 Ed. 2
- Immunity for industrial environment: EN 61000-6-2 - sept. 2015
- EMC for industrial environment: Class A

<table>
<thead>
<tr>
<th>EVlink DC fast chargers</th>
<th>Power</th>
<th>Socket(s)</th>
<th>References</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 kW DC</td>
<td>CHAdeMO</td>
<td>EVD1S24TOH</td>
<td>86</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CCS Combo 2</td>
<td>EVD1S24TOB</td>
<td>66</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHAdeMO + CCS Combo 2</td>
<td>EVD1S24THB</td>
<td>85</td>
<td></td>
</tr>
<tr>
<td>24 kW DC/22 kW AC</td>
<td>CHAdeMO + CCS Combo 2 + AC Type 2</td>
<td>EVD1S24THB2</td>
<td>85</td>
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<table>
<thead>
<tr>
<th>Pedestals</th>
<th>For EVlink DC fast chargers</th>
<th>References</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>For EVD1S24TOH, EVD1S24TOB</td>
<td>EVP1DB1LG</td>
<td>51</td>
<td></td>
</tr>
<tr>
<td>For EVD1S24TOHB, EVD1S24TOHB2</td>
<td>EVP1DB2LG</td>
<td>53</td>
<td></td>
</tr>
</tbody>
</table>
The EVlink product range

EVlink DC fast charge*

In short

The choice
A high-end level product and several services:
• Installation management on your site
• Fast charge commissioning according to your application requirements
• Three levels (Ultra, Prime, and Plus) maintenance contract
• On-call and remote assistance in major countries worldwide
• Charging station upgrade with the latest firmware

Installation and commissioning
• Performed by Schneider Electric or certified partner
• A feasibility study should be carried out to assess the facility’s ability
  It will stipulate the necessary power, identify electrical duct routing, etc.
• The optimum level of protection and monitoring for the charging station

Maintenance
• On-line charging station support and diagnosis
• On-line software upgrades
• Schneider Electric promotes maintenance contracts on customer request
  for uptime optimization.

Application

EVlink Fast Charge
stations are designed to
charge a vehicle rapidly:
80% of capacity charged
in less than 30 minutes.

They are intended
for service stations
in particular.

* Offer limited to selected countries with project management mode.
Characteristics

Mechanical and environmental features
• Degree of protection: IP54 (except cordsets)
• Degree of mechanical protection: IK10
• Operating temperature: -30°C / +50°C

Power supply network and charging mode
• Power supply: 400 V~ (+10 / -15%), 3 Ph, 50 – 60 Hz

Direct current charging station
• Charging in Mode 4 (IEC 61851-23)
• CHAdeMO type connector
• Combo 2 type connector
• Charging voltage/current: 500 V DC/125 A - 485 V DC with CHAdeMO connector
• Electrical protective devices integrated in the charging station
• Cable length: 4 m

Alternating current charging station
• Charging in Mode 3 (IEC 61851-22)
• Charging voltage/current: 400 V AC/63 A AC
• Electrical protective devices integrated in the charging station
• Cable length: 4.4 m

User dialogue and data
• Backlit LCD graphic screen (2 lines)
• 4 sensitive touch buttons
• 3 twin-colored LED status indicators
• CPU badge (with RFID)
• Contactless reader

Available options
• Painting and skinning (stickers)
• Barcode reader
• On request:
  • Supervision connection (third party supervision integration)
  • Payment

Standards
• IEC/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

Commercial configuration*

<table>
<thead>
<tr>
<th>Product type</th>
<th>500 V DC</th>
<th>500 V DC + 400 V~</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combo2 50 kW DC/CHAdeMO 50 kW DC/AC 43 kW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combo2 50 kW DC/CHAdeMO 50 kW DC/AC 22.1 kW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combo2 50 kW DC/CHAdeMO 50 kW DC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combo2 50 kW DC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combo2 50 kW DC/AC 43 kW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combo2 50 kW DC/AC 22.1 kW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHAdeMO 50 kW DC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHAdeMO 50 kW DC/AC 43 kW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHAdeMO 50 kW DC/AC 22.1 kW</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Offer limited to selected countries with project management mode

Please contact us
Electric vehicle simulation tool

In short

Electric vehicle simulation tool

Tool for trained electricians
To check correct operation of a charging station
- EVlink Wallbox
- EVlink Smart Wallbox
- EVlink Parking
- EVlink City
- Any charging station complying with IEC 61851-1, by simulation of a vehicle during charging

All-terrain use

Robustness
- IK strength: IK8
- Resists falls of up to 1 m
- IP54: closed
- IP44: open

Easy to carry
- Weight: 6 Kg

Compatibility
Accepts any cable fitted with a T1 or T2 connector.

Single-phase or three-phase alternating current charging.
Cable to be ordered separately; please refer to page 46.

In short

Reference: NCA93100

Perfectly simple ...

Once the simulation tool is connected to the charging station, charging is started thanks to a button. The result is shown by an indicator lamp.

A few minutes is all that’s needed to check correct charging station operation.

… and standalone

Power supply via the charging cable.

No internal battery, so unlimited time for servicing operations and for your peace of mind.
Characteristics

Characteristics of the power supply network
• The simulation tool is powered via the charging current
• Network frequency: 50 Hz or 60 Hz
• Earthing system: TT or TN (do not use in IT)
• Voltages:
  - 230 V~ on type 1 connector
  - 400 V~ on type 2 connector
• Charging current during test < 1 A

Mechanical and environmental characteristics
• Degree of protection (as per IEC 60529):
  - closed: IP54
  - open: IP44
• Degree of mechanical protection (as per IEC 62262): IK8
• Dimensions (H x L x D): 270 x 305 x 170 mm
• Weight: 6 Kg
• Left-hand base:
  Type 1 inlet • IEC 62196 type 1 • U: 230V1 • I: < 1 A • F: 50 – 60 Hz
• Right-hand base:
  Type 2 inlet • IEC 62196 type 2-II • U: 400V3~ • I: < 1 A • F: 50 – 60 Hz
• Storage temperature: -30°C / +50°C
• Operating temperature: -30°C / +50°C
• Risk of mechanical damage to the simulation tool if dropped at a temperature < -2°C
• Relative humidity rate (RH): < 95%

Accessories and documents included
• Plasticized user’s manual attached under the cover
• Detailed user manual (to be downloaded from the Web)
• BNC/banana plug adapter cord

Certification
• The electric vehicle simulation tool complies with standards IEC 61010-1 and IEC 61851-1

Recommended measuring instruments for additional tests
• Ohmmeter: to measure the resistance in the customer's cable connector
• Oscilloscope: for observation of signals during the electric vehicle status simulation test (signals in accordance with the IEC 61851 standard)

As a complement: EVlink charging cables
They are necessary for testing the charging stations.
The EVlink product range

**EVlink cable**

**Characteristics**

**EVlink cable for charging stations:**

Mobility within arm’s reach

- Tested and certified product: Third-party laboratory CB certification (LCIE) complies with applicable standard IEC 62196
- High protection, fast charging (Mode 3)
- High-strength cable

**Which EVlink cable for which electric vehicle?**

<table>
<thead>
<tr>
<th>References</th>
<th>No. of phases</th>
<th>Charging power accepted (kW)</th>
<th>Cable length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>3</td>
<td>3.7</td>
</tr>
<tr>
<td>EVP1CNS32121</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>EVP1CNL32121</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>EVP1CNX32121</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>EVP1CNS32122</td>
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<td>●</td>
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<td>EVP1CNL32122</td>
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</tr>
<tr>
<td>EVP1CNX32122</td>
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<tr>
<td>EVP1CNS32322</td>
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<td>●</td>
</tr>
<tr>
<td>EVP1CNL32322</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>EVP1CNX32322</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

**Two good reasons to have a second EVlink cable in your electric vehicle**

1. To take advantage of the charging capacity of public charging stations: by having an appropriate EVlink cable for the charging stations used, you obtain fast charging with high protection.

2. To have a fallback solution. E.g., charging cable damaged or misplaced, help out another electric vehicle user.

---

EVP1CNS: Type 1 (T1)
EVP1CNL: Type 2 (T2)
EVP1CNX: Type 2 (T2)

- Electric vehicle inlet
- Charging station power socket
- Cable outlet

---

- Length: available in 5, 7 and 10 m
- Max. current: 32 A
- Operating temperature: -30°C to +50°C
- Degree of protection: IP44

---

**Characteristics**

- Electric vehicle charging solutions

---

schneider-electric.com
Managing the charging station energy
EVlink Load Management System
Managing the charging station energy

Load management

Load management stakes

Load management: why do it?

- Avoids facility disruption, causing operating losses
- Reduces energy and electrical infrastructure costs
- Increases driver satisfaction
- Makes operations more efficient.

And for charging stations, how does it work?

Allow simultaneous charging of the largest number of vehicles as quickly as possible ...

... while maintaining charging priority privileges, if necessary.

How to implement load management?

Power limit
The "power subscription" with the energy supplier, or the maximum power supply capacity (depending on cable cross section, circuit breakers rating, etc.).

Measurements
The total power demand of each charging point.

Controller
The controller performs data acquisition and runs the algorithms to control total demand and power allocation to the vehicles.

Actuators
The charging stations that can execute an order and temporarily limit the current supplied to the vehicle.
Scalable load management solutions

Whether for a small or large electric vehicle charging infrastructure, requirements for energy cost reduction or continuity of service make sense. This is especially true for investors wishing to future-proof their investment. For example, electric vehicle autonomy will increase thanks to battery capacity improvement, thus requiring more energy to be delivered by charging station as quickly as possible.

Load management can be provided in two complementary ways:

- **Standalone charging stations**: The architecture and implementation vary accordingly but the key benefits remain: lower investment, lower utility bills, tripping avoidance.
- **Clusters of charging stations**: The activation of this embedded feature makes it possible to limit the maximum power of a dual socket outlet charging station and to balance the load between the two socket outlets, so as to charge the vehicles as quickly as possible while remaining within the maximum power limit set for the charging station.

The charging station thus reduces the power delivered to the electric vehicles if they require more power than the maximum power setting.

Provide optimum flexibility

The maximum power of the charging station can be set:

- In the settings, through the embedded Web server. This value can be changed at any time with a few clicks.
- Remotely by an external system, either as a permanent value or dynamically. This remote setting by a central system can be done by:
  - a back-end Charge Point Operator, through OCPP
  - a Building Management System, an load management system, or any other local system through Modbus.
Managing the charging station energy

Cluster of charging stations supplied by the facility network

This is the case for charging stations whose administrative and technical management is grouped with that of a facility. An example is a company with a fleet of vehicles. Overall energy management (facility + station) is recommended, in particular when the maximum power of the charging station (simultaneous use of socket outlets at full power) is significant by comparison with that of the facility.

Building automation and EVlink load management, complementary systems

In some buildings, automatic control systems supervise total consumption and adapt the operation of certain devices to optimize power consumption and energy costs without adversely affecting work efficiency and occupant comfort.

The total consumption and that of the charging stations are constantly transmitted to the charging station's controller. When this value approaches the limit set by the energy contract, the EVlink Load Management System program sends the charging stations an order temporarily limiting charging. It is also possible for the building management system to dynamically set the maximum power to the cluster of charging stations.

Dynamic Load management with dynamic setpoint

No dedicated switchboard for EV charging stations:

Power meter measures in real time the energy consumed at Switchboard and the Load Management System makes sure the total amount allocated never exceeds the maximum contract or ED switchboard by controlling the energy delivered to the charging stations.
Cluster of charging stations directly supplied by the utility grid

The charging station’s energy is supplied directly by the electricity distribution system. The installation includes a power meter and a circuit breaker set to the subscribed demand. This case generally applies to Parking charging stations for which management is independent from a facility. Load management is systematically recommended to optimize capital costs and energy supply subscription costs.

EVlink Load Management System for compliance with the energy contract

In the protection and control panel, EVlink program loaded in the controller helps to ensure energy load management. The maximum power set point parameter is configured during commissioning, together with the charging points power allocation scenario (see description on the next page). The controller constantly monitors the charging station’s total power. Based on this information, if necessary, it can activate or disable charging station power limitation.

Dynamic load management with static setpoint

EV charging stations are supplied by a dedicated switchboard, single or multi zones. The maximum power set point value is equal to the subscribed demand or any fixed value. It distributes a charging power preset for all charging stations across several connected electric cars. Every charging station is allocated the same charging power percentage. It is prioritized since the time of charge and from when they are connected.

This mode can also be adopted when the charging station is supplied by a facility network. In that case, the set point depends on the electrical sizing of the charging station’s power supply circuit, or operational needs.
Managing the energy of a charging station

Control of cluster of charging stations

Each charging station can limit its output
Once a vehicle is connected, charging can begin, but the output can be automatically limited by the charging station either to comply with restrictions regarding maximum power of the vehicle charger, the charging cable, or the charging station or on receiving an order from EVlink load management controller and algorithms.

EVlink Load Management System power allocation scenarios
By performing the load management, the controller can reduce the charging station’s power by sending orders to the charging points at any time.

A choice of scenarios is set during commissioning, making it possible to take into account the various needs related to the use of the vehicles that will be charged.

Proportional scenario
The output of each charging station is reduced by an identical percentage. Case of charging stations for vehicles and drivers having equal privileges.

VIP badge privileges
The station charging a vehicle identified by a priority badge does not apply the requested reduction or only partially. Case of charging stations with RFID badge authentication. Charging of certain vehicles is not penalized for service reasons or to give priority to customers.
**EVlink Load Management System**

**EV LMS Load Management System for EVlink Smart Wallbox and EVlink Parking**

Electrical current management is at the heart of the EVlink Load Management System. It ensures the respect of the cost and energy efficiency constraints of a set of charging stations by controlling their operation. The controller runs its management program according to the selected parameters and data received from the charging stations.

**Architecture - communication**

The EV LMS is a connected object. It is fitted with an Ethernet port for local communication with charging stations. Several network topologies are possible: single daisy chain, ring or star with an ethernet switch. It can communicate locally with the operations manager's PC or remotely via a radio modem.

**Control unit characteristics**

- **Type:** Magelis iPC IIoT Edge Box Core
- **Linux Yocto operating system**
- **Supply voltage:** 12...24 V DC
- **Inrush current:** 0.43 A
- **Power consumption:** 16 W

**Mounting**

- Wall mounting, Book mounting, Flat mounting
- **Depth:** 46 mm
- **Height:** 150 mm
- **Width:** 157 mm

**Mechanical and environmental characteristics**

- **IP degree of protection:** IP40
- **Operating temperature:** 0...50 °C flat mounting
- **Storage temperature:** -20...60 °C
- **Relative humidity:** 10...95 % non-condensing
- **Operating altitude:** 2000 m

**Compliance with directives**

- 2004/108/EC - electromagnetic compatibility
- 2006/95/EC - low voltage directive
- Electromagnetic compatibility: conducted and radiated emissions class A EN 55022

**Compliance with standards**

- Standards E 61131-2
- EN 50011 class A group 1
- EN 61000-6-4

**Product certifications**

- EAC
- RCM
- CE quality mark
- 24 months warranty for the entire EVlink range

**EVlink Load Management System**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Max charging points</th>
<th>Set point</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVlink Load Management System</td>
<td>15</td>
<td>Static (2)</td>
<td>HMIBSCEA53D1ESS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dynamic (3)</td>
<td>HMIBSCEA53D1EDS</td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>Static (2)</td>
<td>HMIBSCEA53D1ESM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dynamic (3)</td>
<td>HMIBSCEA53D1EDM</td>
</tr>
</tbody>
</table>

(1) For more than 50 charging points, please consult us.
(2) Static: fixed parameter
(3) Dynamic: data from an additional power meter.
Solutions for your project

"Turnkey" project
Services for contractors
Services for operators
Your Schneider Electric correspondent is a professional, specialized in the charging infrastructure solution.

Based on the technical and economic data of your charging station project, he or she will propose the appropriate solution:

- "Turnkey" charging station project performed by Schneider Electric
- Sale of charging stations and services with possible support at start-up.

Preliminary technical audit

To contract the optimum solution.

For example, this service is essential when the charging station power could jeopardize the electrical infrastructure of an existing facility.
"Turnkey" project

The charging station project is proposed to you in a contractual document

It specifies the following information:
• Precise characteristics of the structure
• Schedule of the various project phases and a delivery date
• Technical documents submitted for operation and maintenance
• Conditions of support services

On the agreed date, Schneider Electric will deliver the complete solution in operating conditions and allowing on-site training of operating personnel.

Energy management and supervision are key to the expertise of project teams

The project is managed entirely to the Electric Vehicle Center of Expertise. A single contact for the project team, whatever the subject, commercial or technical.

Solutions
• EVlink Load Management is generally included in "turnkey" projects.
Services for contractors

Designers, installers ... Develop new competencies, get support from our specialists to make your business more efficient

Training on regulations, electrical and communication architectures, setup, tests and maintenance for contractors

• Charging station design principles.
• Learning about and mastering Schneider Electric standard architectures, charging stations, components, and monitoring services.
• Training in assembly, operating tests and maintenance procedures.

Technical support during projects
If necessary, priority access to our specialists is provided through a hotline or on-site as a paying service.
Private or public parking operators, fleet managers …
Schneider Electric helps you save time and preserves your peace of mind through maintenance of your charging station infrastructure.

Maintenance:
preserving availability
Schneider Electric has trained a network of local installer-partners.
They perform routine maintenance of your charging stations and perform repairs if necessary. They are supported by our Customer Care Centers.
List of references

Link for mySchneider App download

mySchneider app gives access to
• Customer Care Center
• Online Schneider-electric catalogues
• Green Premium information
• ...

Electric vehicle news on the website

Scan or click on QR code

schneider-electric.com/electric-vehicle
## EVlink

### EVlink Wallbox charging stations

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wallbox Standard</td>
</tr>
<tr>
<td><strong>Charging stations with socket outlet</strong></td>
<td></td>
</tr>
<tr>
<td>3.7 kW – T2</td>
<td>EVH2S3P02K</td>
</tr>
<tr>
<td>7.4 kW – T2</td>
<td>EVH2S7P02K</td>
</tr>
<tr>
<td>11 kW – T2</td>
<td>EVH2S11P02K</td>
</tr>
<tr>
<td>22 kW – T2</td>
<td>EVH2S22P02K</td>
</tr>
<tr>
<td>3.7 kW – T2 with shutters</td>
<td>EVH2S3P04K</td>
</tr>
<tr>
<td>7.4 kW – T2 with shutters</td>
<td>EVH2S7P04K</td>
</tr>
<tr>
<td>11 kW – T2 with shutters</td>
<td>EVH2S11P04K</td>
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<tr>
<td>22 kW – T2 with shutters</td>
<td>EVH2S22P04K</td>
</tr>
<tr>
<td><strong>Charging stations with 4 m attached cable</strong></td>
<td></td>
</tr>
<tr>
<td>3.7 kW – T1</td>
<td>EVH2S3P0AK</td>
</tr>
<tr>
<td>7.4 kW – T1</td>
<td>EVH2S7P0AK</td>
</tr>
<tr>
<td>3.7 kW – T2</td>
<td>EVH2S3P0CK</td>
</tr>
<tr>
<td>7.4 kW – T2</td>
<td>EVH2S7P0CK</td>
</tr>
<tr>
<td>11 kW – T2</td>
<td>EVH2S11P0CK</td>
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### Spare parts

<table>
<thead>
<tr>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key lock</td>
</tr>
<tr>
<td>Key lock random (1 lock + 2 keys)</td>
</tr>
<tr>
<td>Key lock single (10 locks + 20 identical keys)</td>
</tr>
<tr>
<td>Front panel</td>
</tr>
<tr>
<td>T2 single-phase</td>
</tr>
<tr>
<td>T2 single-phase</td>
</tr>
<tr>
<td>T2 three-phase</td>
</tr>
<tr>
<td>T2 three-phase</td>
</tr>
<tr>
<td>Attached cable</td>
</tr>
<tr>
<td>Attached cable T1 - 16 A single-phase</td>
</tr>
<tr>
<td>Attached cable T1 - 32 A single-phase</td>
</tr>
<tr>
<td>Attached cable T2 - 16 A single-phase</td>
</tr>
<tr>
<td>Attached cable T2 - 32 A single-phase</td>
</tr>
<tr>
<td>Attached cable T2 - 16 A three-phase</td>
</tr>
<tr>
<td>Attached cable T2 - 32 A three-phase</td>
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### Accessory

<table>
<thead>
<tr>
<th>Reference</th>
</tr>
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<tbody>
<tr>
<td>Pedestal for 1 or 2 EVlink Wallbox</td>
</tr>
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</table>

### Additional offer

<table>
<thead>
<tr>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric vehicle simulation tool</td>
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</table>
## EVlink Smart Wallbox charging stations

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charging stations with socket outlet</td>
<td></td>
</tr>
<tr>
<td>7.4 / 22 kW – T2 - Key lock</td>
<td>EVP1A22P2KI</td>
</tr>
<tr>
<td>7.4 / 22 kW – T2 - RFID</td>
<td>EVP1A22P2RI</td>
</tr>
<tr>
<td>7.4 / 22 kW – T2 shutter - Key lock</td>
<td>EVP1A22P4KI</td>
</tr>
<tr>
<td>7.4 / 22 kW – T2 shutter - RFID</td>
<td>EVP1A22P4RI</td>
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<tr>
<td>7.4 / 22 kW – T2 shutter + TE - Key lock</td>
<td>EVP1A22P4EKI</td>
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<td>7.4 / 22 kW – T2 shutter + TE - RFID</td>
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<tr>
<td>Charging stations with 4.5 m attached cable</td>
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</tr>
<tr>
<td>7.4 kW – T1 - Key lock</td>
<td>EVP1A7PAKI</td>
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<tr>
<td>7.4 kW – T1 - RFID</td>
<td>EVP1A7PARI</td>
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<td>7.4 kW – T2 - Key lock</td>
<td>EVP1A7PCKI</td>
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<td>7.4 kW – T2 - RFID</td>
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<td>22 kW – T2 - Key lock</td>
<td>EVP1A22PCKI</td>
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<th>Spare parts</th>
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<tr>
<td>Key lock</td>
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<tr>
<td>Key lock random (1 lock + 2 keys)</td>
<td>EVP1HL5R</td>
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<td>Key lock single (10 locks + 20 identical keys)</td>
<td>EVP1HLSS</td>
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<td>Front panel</td>
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<td>Socket outlet T2S three-phase</td>
<td>EVP1BSE43</td>
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<tr>
<td>Socket outlet T2 three-phase</td>
<td>EVP1BSE23</td>
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<tr>
<td>Domestic socket outlet TE</td>
<td>EVP1BSSE</td>
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<td>Attached cable</td>
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<td>Attached cable T1 - 32A single-phase</td>
<td>EVP1CBS321A45</td>
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<td>Attached cable T2 - 32A single-phase</td>
<td>EVP1CBS321C45</td>
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<td>Attached cable T2 - 32A three-phase</td>
<td>EVP1CBS323C45</td>
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<tr>
<th>Accessories</th>
<th>References</th>
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<tbody>
<tr>
<td>Pack of 10 RFID badges</td>
<td>EVP1BN5</td>
</tr>
<tr>
<td>Pedestal for 1 or 2 EVlink Smart Wallbox</td>
<td>EVP1PBS55</td>
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<tr>
<td>Communication interfaces</td>
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<tr>
<td>WiFi module</td>
<td>EVP1MW5I</td>
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<tr>
<td>3G/4G modem</td>
<td>EVP2MM</td>
</tr>
<tr>
<td>3G/4G modem antenna (for EVlink Smart Wallbox only)</td>
<td>EVP2MX</td>
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### EVlink Parking charging stations

#### Characteristics(1)

<table>
<thead>
<tr>
<th>Floor-standing charging stations</th>
<th>References</th>
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<tbody>
<tr>
<td>7.4 kW – 1 x T2</td>
<td>EVF2S7P02</td>
</tr>
<tr>
<td>7.4 kW – 1 x T2 – RFID</td>
<td>EVF2S7P02R</td>
</tr>
<tr>
<td>7.4 kW – 1 x T2 with shutters</td>
<td>EVF2S7P04</td>
</tr>
<tr>
<td>7.4 kW – 1 x T2 with shutters – RFID</td>
<td>EVF2S7P04R</td>
</tr>
<tr>
<td>7.4 kW – 2 x T2</td>
<td>EVF2S7P22</td>
</tr>
<tr>
<td>7.4 kW – 2 x T2 – RFID</td>
<td>EVF2S7P22R</td>
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<tr>
<td>7.4 kW – 2 x T2 with shutters</td>
<td>EVF2S7P44</td>
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<tr>
<td>7.4 kW – 2 x T2 with shutters – RFID</td>
<td>EVF2S7P44R</td>
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<tr>
<td>7.4 / 2.3 kW – T2 / TF</td>
<td>EVF2S7P2F</td>
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<tr>
<td>7.4 / 2.3 kW – T2 / TF – RFID</td>
<td>EVF2S7P2FR</td>
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<tr>
<td>7.4 / 2.3 kW – T2 with shutters / TE</td>
<td>EVF2S7P4E</td>
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<tr>
<td>7.4 / 2.3 kW – T2 with shutters / TE – RFID</td>
<td>EVF2S7P4ER</td>
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</table>

| 22 kW – 1 x T2                  | EVF2S22P02 |
| 22 kW – 1 x T2 – RFID           | EVF2S22P02R|
| 22 kW – 1 x T2 with shutters    | EVF2S22P04 |
| 22 kW – 1 x T2 with shutters – RFID | EVF2S22P04R|
| 22 kW – 2 x T2                  | EVF2S22P22 |
| 22 kW – 2 x T2 – RFID           | EVF2S22P22R|
| 22 kW – 2 x T2 with shutters    | EVF2S22P44 |
| 22 kW – 2 x T2 with shutters – RFID | EVF2S22P44R|
| 22 / 2.3 kW – T2 / TF           | EVF2S22P2F |
| 22 / 2.3 kW – T2 / TF – RFID    | EVF2S22P2FR|
| 22 / 2.3 kW – T2 with shutters / TE | EVF2S22P4E  |
| 22 / 2.3 kW – T2 with shutters / TE – RFID | EVF2S22P4ER|

#### Wall-mounted charging stations

| 7.4 kW – 1 x T2                  | EVW2S7P02  |
| 7.4 kW – 1 x T2 – RFID           | EVW2S7P02R |
| 7.4 kW – 1 x T2 with shutters    | EVW2S7P04  |
| 7.4 kW – 1 x T2 with shutters – RFID | EVW2S7P04R |
| 7.4 kW – 2 x T2                  | EVW2S7P22  |
| 7.4 kW – 2 x T2 – RFID           | EVW2S7P22R |
| 7.4 kW – 2 x T2 with shutters    | EVW2S7P44  |
| 7.4 kW – 2 x T2 with shutters – RFID | EVW2S7P44R |
| 22 kW – 1 x T2                  | EVW2S22P02 |
| 22 kW – 1 x T2 – RFID           | EVW2S22P02R|
| 22 kW – 1 x T2 with shutters    | EVW2S22P04 |
| 22 kW – 1 x T2 with shutters – RFID | EVW2S22P04R|
| 22 kW – 2 x T2                  | EVW2S22P22 |
| 22 kW – 2 x T2 – RFID           | EVW2S22P22R|
| 22 kW – 2 x T2 with shutters    | EVW2S22P44 |

---

#### Accessories

| Pack of 10 RFID badges | EVP1BNS |
| Cable holder         | EVP1PH  |
| DIN rail mounting kit | EVP1FKC |
| Protective cover – only for wall-mounted charging station | EVP1WSPC |

---

(1) Charging stations characteristics = Power – Number x type of socket outlet – RFID: badge reader.
## EVlink Parking charging stations

### Spare parts

<table>
<thead>
<tr>
<th>Enclosure</th>
<th>References</th>
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<tbody>
<tr>
<td>7.4 kW – 1 x T2</td>
<td>EVP2PE702</td>
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<td>7.4 kW – 1 x T2 – RFID</td>
<td>EVP2PE702R</td>
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<tr>
<td>7.4 kW – 1 x T2 with shutters</td>
<td>EVP2PE704</td>
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<td>7.4 kW – 1 x T2 with shutters – RFID</td>
<td>EVP2PE704R</td>
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<td>7.4 kW – 2 x T2</td>
<td>EVP2PE722</td>
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<tr>
<td>7.4 kW – 2 x T2 – RFID</td>
<td>EVP2PE722R</td>
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<tr>
<td>7.4 kW – 2 x T2 with shutters</td>
<td>EVP2PE744</td>
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<tr>
<td>7.4 kW – 2 x T2 with shutters – RFID</td>
<td>EVP2PE744R</td>
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<td>7.4 / 2.3 kW – T2/TF</td>
<td>EVP2PE72F</td>
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<tr>
<td>7.4 / 2.3 kW – T2/TF – RFID</td>
<td>EVP2PE72FR</td>
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<tr>
<td>7.4 / 2.3 kW – T2 with shutters/TE</td>
<td>EVP2PE74E</td>
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<td>7.4 / 2.3 kW – T2 with shutters/TE – RFID</td>
<td>EVP2PE74ER</td>
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<td>22 kW – 1 x T2</td>
<td>EVP2PE2202</td>
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<tr>
<td>22 kW – 1 x T2 – RFID</td>
<td>EVP2PE2202R</td>
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<tr>
<td>22 kW – 1 x T2 with shutters</td>
<td>EVP2PE2204</td>
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<tr>
<td>22 kW – 1 x T2 with shutters – RFID</td>
<td>EVP2PE2204R</td>
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<td>22 kW – 2 x T2</td>
<td>EVP2PE2222</td>
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<td>22 kW – 2 x T2 – RFID</td>
<td>EVP2PE2222R</td>
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<tr>
<td>22 kW – 2 x T2 with shutters</td>
<td>EVP2PE2244</td>
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<tr>
<td>22 kW – 2 x T2 with shutters – RFID</td>
<td>EVP2PE2244R</td>
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<td>22 / 2.3 kW – T2/TF</td>
<td>EVP2PE222F</td>
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<td>EVP2PE222FR</td>
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<td>22 / 2.3 kW – T2 with shutters/TE</td>
<td>EVP2PE224E</td>
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<td>Base</td>
<td>EVP2FBS</td>
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<tr>
<td>Floor-standing base</td>
<td>EVP1WBS</td>
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<td>Wall-mounted base</td>
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<td>Cap</td>
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<td>Green socket outlet T2</td>
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<td>Green socket outlet TE</td>
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| Additional offer

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<th>Test tool</th>
<th>Reference</th>
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<tr>
<td>Electric vehicle simulation tool</td>
<td>NCA93100</td>
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Managing the energy of a charging station

EVlink

EVlink DC Fast Charge

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>References</th>
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<tbody>
<tr>
<td>DCFC 24 kW with 3.25 m attached cable</td>
<td>EVD1S24TOH</td>
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<tr>
<td>EVlink 24 kW DC Charger</td>
<td>CHAdeMO single</td>
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<td>EVlink 24 kW DC Charger</td>
<td>CCS Combo 2 single</td>
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<td>EVlink 24 kW DC Charger</td>
<td>CHAdeMO - CCS Combo 2 bistandard</td>
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<tr>
<td>EVlink 24/22 kW DC/AC Charger</td>
<td>CHAdeMO - CCS Combo 2 Type 2 tristandard</td>
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Accessories

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<tbody>
<tr>
<td>Pedestal for EVlink 24 kW DC Charger</td>
<td>EVP1DB1LG</td>
<td>EVP1DB2LG</td>
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EVlink Load Management System

<table>
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<th>References</th>
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<tr>
<td>EVlink load management system</td>
<td>up to 15 Charging Station dynamic setpoint</td>
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<tr>
<td>EVlink load management system</td>
<td>up to 50 Charging Station dynamic setpoint</td>
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<td>EVlink load management system</td>
<td>up to 15 Charging Station static setpoint</td>
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<td>EVlink load management system</td>
<td>up to 50 Charging Station static setpoint</td>
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(1) For > 50 charging stations, please consult us

Charging cables

<table>
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<td>32 A</td>
<td>1</td>
<td>5 m</td>
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<td></td>
<td></td>
<td>1</td>
<td>7 m</td>
</tr>
<tr>
<td></td>
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<td>10 m</td>
</tr>
<tr>
<td>T2-T2</td>
<td>32 A</td>
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<td>5 m</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>7 m</td>
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<tr>
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<td>1</td>
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<tr>
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<td>32 A</td>
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<td>5 m</td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>3</td>
<td>10 m</td>
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</table>

References:
- EVP1CN532121
- EVP1CN532122
- EVP1CN532322
Note