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)
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EVlink charging solutions:

- IEC standards compliance
- Network of installation and service partners
- Worldwide customer support
“Worldwide availability of our charging station and service offers is the best proof of our long-term engagement.”

90,000 stations in 50 countries
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 Lead has gradually been replaced by other, more efficient compounds.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

- **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 of the vehicle to the grid via an external charger
      - Direct-current external charger incorporating charge monitoring
      - Dedicated attached cable

Mode 3 or Mode 4 determines the type of charging connectors

- **Mode 3**
  - Car inlet
  - Socket outlet or attached cable
  - Type 1
  - Type 2
  - CCS Combo 2
  - Type 2 with shutters

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

**Charging cable**

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

---

*Focus on technology*
The effective charging capacity is that of the weakest "link", for example:

<table>
<thead>
<tr>
<th>Source used</th>
<th>Dedicated AC power socket</th>
<th>Dedicated DC power socket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>Single-phase: 7.4 kW</td>
<td>Three-phase: 22 kW</td>
</tr>
<tr>
<td>Time to &quot;fill up&quot;</td>
<td>7 h</td>
<td>2h30 min</td>
</tr>
<tr>
<td>% of charge reached in 30 min</td>
<td>7%</td>
<td>20%</td>
</tr>
</tbody>
</table>

Example: for a vehicle with a 40 kWh battery:

The power of the source determines the charging speed*

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

<table>
<thead>
<tr>
<th>Electrical</th>
<th>Usage</th>
<th>Installation</th>
<th>Protection</th>
<th>Aspect</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power per socket</strong></td>
<td><strong>Socket outlet access</strong></td>
<td><strong>Socket outlet</strong></td>
<td><strong>Usage</strong></td>
<td><strong>Mounting</strong></td>
</tr>
<tr>
<td>3.7 kW - 7.4 kW</td>
<td>Free access</td>
<td>Type 2</td>
<td>Connecting</td>
<td>On Wall</td>
</tr>
<tr>
<td>11 kW - 22 kW</td>
<td>Key</td>
<td></td>
<td>Cost &amp; Service continuity</td>
<td>Cabinet fixed on wall.</td>
</tr>
<tr>
<td>22 kW - 24 kW (DC)</td>
<td>Authentication</td>
<td>Attached cable type 1</td>
<td>Optimized charging time</td>
<td>Cabinet with integrated or separate pole.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Charging mode</th>
<th>Load management</th>
<th>Connectivity</th>
<th>Mounting</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode 2</td>
<td>Optimized Cost &amp; Service continuity</td>
<td>Yes - No</td>
<td>On Wall</td>
<td>⬆ D-type: built-in DC fault current detection (RDC-DD)</td>
</tr>
<tr>
<td>Mode 3</td>
<td>Optimized charging time</td>
<td></td>
<td></td>
<td>⬆ I-type: protection devices can be installed on pedestal</td>
</tr>
<tr>
<td>Mode 4</td>
<td>Optimized charging station management</td>
<td></td>
<td></td>
<td>⬆ F-type: factory mounted protection device</td>
</tr>
</tbody>
</table>

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

| | | | | | Mechanical IP65 |

| | | | | | | Protection from dust, splash resistant water jets. |

| | | | | | | Protection from dust, low pressure water jets. |

| | | | | | | Resistance to pendulum shock: mass of 5 kg, 40 cm string. |

### Outside view

- **Power per socket:**
  - 3.7 kW - 7.4 kW: Single-phase main supply.
  - 11 kW - 22 kW: Three-phase main supply.
  - 22 kW - 24 kW (DC): 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:**
  - 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
  - CHAdeMO: 24 kW

- **Usage:**
  - Free access: Key lock.
  - Key: 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
  - 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.

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

- **Aspect:**
  - Stylish: White resistant plastic casing.
  - Robust: Metallic casing.
  - Robust +: Anti-vandalism features. Metallic casing, extra keyboard protection.
### Selection Criteria for Charging Station

<table>
<thead>
<tr>
<th>Model</th>
<th>'Standard'</th>
<th>'Plus'</th>
<th>EVlink Smart Wallbox</th>
<th>EVlink Wallbox</th>
<th>EVlink DC fast charge</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Charging power (kW)</strong></td>
<td>3.7 7.4 11 22</td>
<td>3.7 7.4 11 22</td>
<td>7.4 22</td>
<td>7.4 22</td>
<td>22 (AC) 24 (DC)</td>
</tr>
<tr>
<td><strong>Charging mode</strong></td>
<td>3 3 3 3</td>
<td>2 3 2 3</td>
<td>2 3 3 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Socket outlet</strong></td>
<td>T2 ACT1 ACT2</td>
<td>T2 ACT2 ACT2</td>
<td>T2 T2+D ACT1 ACT2</td>
<td>T2 T2+D ACT2</td>
<td>AC CHAdeMO AC Combo2</td>
</tr>
<tr>
<td><strong>Charging access</strong></td>
<td>F K F K</td>
<td>F K A</td>
<td>F A A</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Load management</strong></td>
<td>C1</td>
<td>C2</td>
<td>C1+M</td>
<td></td>
<td>C1+ T+ M</td>
</tr>
<tr>
<td><strong>Connectivity</strong></td>
<td>N</td>
<td>N</td>
<td>N Y</td>
<td></td>
<td>N Y</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>W F W F</td>
<td>W F</td>
<td>W F</td>
<td></td>
<td>W F</td>
</tr>
<tr>
<td><strong>Protection</strong></td>
<td>* 54 D 10</td>
<td>* 54 D 10</td>
<td>* 54 55+ I 10</td>
<td>* 54 I 10</td>
<td>F 54 10</td>
</tr>
<tr>
<td><strong>Aspect</strong></td>
<td>S S S</td>
<td>S S</td>
<td>R</td>
<td></td>
<td>R+</td>
</tr>
</tbody>
</table>

- *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.
The EVlink product range

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 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’**
- Outdoor or indoor use
- Wall-mounted or floor-standing*
- Power range: 3.7 to 22 kW
- T2 socket outlet (with 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 ‘Plus’**
- Same features as Wallbox ‘Standard’
- Built-in protection against residual direct current
- TIC interface with French utility meters to avoid the risk of tripping of connection to the grid

**Additional functions:**
- 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) 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 (Wi-Fi 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)
- 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

- 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: 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.
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 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.
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.

**Application**

**EVlink Wallbox 'Standard' and EVlink Wallbox 'Plus'**

**Discovery**

- Single connector attached cable
- Stop/restart button and charging status indicator light
- Type 1
- Type 2
- Locking the charging station and cable with the key
- Cable unlocking button

**Charging station with attached cable**

- Charging station unlocked
- Charging station locked

**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

**What's inside an EVlink Wallbox**

Scan or click on QR code
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

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) Phases</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>With socket outlet on right side</strong> (1) - Silver-plated contacts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T2 with shutters</td>
<td>3.7 (1P - 16 A)</td>
<td>EVH2S3P04K</td>
</tr>
<tr>
<td></td>
<td>7.4 (1P - 32 A)</td>
<td>EVH2S7P04K</td>
</tr>
<tr>
<td></td>
<td>11 (3P - 16 A)</td>
<td>EVH2S11P04K</td>
</tr>
<tr>
<td></td>
<td>22 (3P - 32 A)</td>
<td>EVH2S22P04K</td>
</tr>
<tr>
<td><strong>With attached cable 4 m, on right side - Silver-plated contacts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1</td>
<td>3.7 (1P - 16 A)</td>
<td>EVH2S3P0AK</td>
</tr>
<tr>
<td></td>
<td>7.4 (1P - 32 A)</td>
<td>EVH2S7P0AK</td>
</tr>
<tr>
<td>T2</td>
<td>3.7 (1P - 16 A)</td>
<td>EVH2S3P0CK</td>
</tr>
<tr>
<td></td>
<td>7.4 (1P - 32 A)</td>
<td>EVH2S7P0CK</td>
</tr>
<tr>
<td></td>
<td>11 (3P - 16 A)</td>
<td>EVH2S11P0CK</td>
</tr>
<tr>
<td></td>
<td>22 (3P - 32 A)</td>
<td>EVH2S22P0CK</td>
</tr>
</tbody>
</table>

(1) 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>Rated Power - Current</td>
<td>3.7 kW - 16 A</td>
<td>7.4 kW - 32 A</td>
</tr>
<tr>
<td>Protection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circuit breaker (overcurrent) (1)</td>
<td>20 A Curve C</td>
<td>20 A Curve C</td>
</tr>
<tr>
<td>RCD (residual current) (2)</td>
<td>30 mA B Type for EV: A9Z51225</td>
<td>30 mA A-SI Type: A9Z61225</td>
</tr>
<tr>
<td>Under voltage tripping auxiliary</td>
<td>A9A26969 (optional)</td>
<td>A9N26969 (optional)</td>
</tr>
<tr>
<td>Delayed start Relay</td>
<td></td>
<td>With normally open contact</td>
</tr>
<tr>
<td>Temporary current limitation</td>
<td></td>
<td></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>Rated Power - Current</td>
<td>3.7 kW - 16 A</td>
<td>7.4 kW - 32 A</td>
</tr>
<tr>
<td>Protection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circuit breaker (overcurrent) (1)</td>
<td>20 A Curve C</td>
<td>20 A Curve C</td>
</tr>
<tr>
<td>RCD (residual current) (2)</td>
<td>30 mA A-SI Type: A9Z61225</td>
<td>30 mA A-SI Type: A9Z61240</td>
</tr>
<tr>
<td>Under voltage tripping auxiliary</td>
<td>A9A26969 (optional)</td>
<td>A9N26969 (optional)</td>
</tr>
<tr>
<td>Delayed start Relay</td>
<td></td>
<td>With normally open contact</td>
</tr>
<tr>
<td>Temporary current limitation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(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) 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: EVP1FBSSG

---

### Spare part references

#### Front panel

Reference: EVP1HCWN

#### Socket outlet

<table>
<thead>
<tr>
<th>Type</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>T2S single-phase</td>
<td>EVP1HSM41</td>
</tr>
<tr>
<td>T2 single-phase</td>
<td>EVP1HSM21</td>
</tr>
<tr>
<td>T2S three-phase</td>
<td>EVP1HSM43</td>
</tr>
<tr>
<td>T2 three-phase</td>
<td>EVP1HSM23</td>
</tr>
</tbody>
</table>

#### Key lock

<table>
<thead>
<tr>
<th>Type</th>
<th>Reference</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 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.

#### Attached cable

<table>
<thead>
<tr>
<th>Type</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1 charging connector 16 A single-phase</td>
<td>EVP2CNS161A4</td>
</tr>
<tr>
<td>T1 charging connector 32 A single-phase</td>
<td>EVP2CNS321A4</td>
</tr>
<tr>
<td>T1 charging connector 16 A three-phase</td>
<td>EVP2CNS163C4</td>
</tr>
<tr>
<td>T1 charging connector 32 A three-phase</td>
<td>EVP2CNS323C4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>T2 charging connector 16 A single-phase</td>
<td>EVP2CNS161C4</td>
</tr>
<tr>
<td>T2 charging connector 32 A single-phase</td>
<td>EVP2CNS321C4</td>
</tr>
<tr>
<td>T2 charging connector 16 A three-phase</td>
<td>EVP2CNS163C4</td>
</tr>
<tr>
<td>T2 charging connector 32 A three-phase</td>
<td>EVP2CNS323C4</td>
</tr>
</tbody>
</table>

---

*Please refer to page 44*
### Practical information

#### Dimensions (mm)

![Dimensions Diagram]

- **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)

#### Additional information for Wallbox Standard

<table>
<thead>
<tr>
<th>Technical document</th>
<th>Language</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>With socket outlet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quick start guide</td>
<td>EN/ES/FR/DE</td>
<td>NHA31789</td>
</tr>
<tr>
<td></td>
<td>IT/NL/PL/PT</td>
<td>NHA31790</td>
</tr>
<tr>
<td>Instruction sheet</td>
<td>EN/ES/FR/DE</td>
<td>NHA31778</td>
</tr>
<tr>
<td></td>
<td>IT/NL/PL/PT</td>
<td>NHA31779</td>
</tr>
<tr>
<td></td>
<td>NO/SV/FI</td>
<td>QGH34400</td>
</tr>
<tr>
<td>With attached cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quick start guide</td>
<td>EN/ES/FR/DE</td>
<td>NHA31783</td>
</tr>
<tr>
<td></td>
<td>IT/NL/PL/PT</td>
<td>NHA31784</td>
</tr>
<tr>
<td>Instruction sheet</td>
<td>EN/ES/FR/DE</td>
<td>NHA31787</td>
</tr>
<tr>
<td></td>
<td>IT/NL/PL/PT</td>
<td>NHA31788</td>
</tr>
<tr>
<td></td>
<td>NO/SV/FI</td>
<td>QGH34396</td>
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</tbody>
</table>

#### Additional information for Wallbox Plus

<table>
<thead>
<tr>
<th>Technical document</th>
<th>Language</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>With socket outlet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instruction sheet</td>
<td>EN/FR/DE/NO</td>
<td>PHA92084</td>
</tr>
<tr>
<td></td>
<td>SV/ES/NL/IT</td>
<td>PHA92086</td>
</tr>
<tr>
<td>With attached cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instruction sheet</td>
<td>EN/FR/DE/NO</td>
<td>PHA92085</td>
</tr>
<tr>
<td></td>
<td>SV/ES/NL/IT</td>
<td>PHA92087</td>
</tr>
</tbody>
</table>

1) Delivered with the Wallbox.

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

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**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 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.

Available on the App Store

Get it on Google Play
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 shutter
• T2 socket outlet with shutters
• 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)

Fleet car at home
Condominium
Corporate and semi-public car parks

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

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

Charging station with attached cable

Single connector attached cable

Stop/restart button and charging status indicator light

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

Charging station with socket outlet

What's inside an EVlink Smart Wallbox

1. also available with EVlink Smart Wallbox with attached.
2. button can be deactivated with commissioning tool.

Easy to install and commission

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

Top, bottom or back side wiring

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
- 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)

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 HF1, 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.

Cloud-connectable

GPRS Wi-Fi Ethernet

Z.E. READY

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

PEP eco PASSPORT

Green Premium™ Product

EVREADY

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

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.

The EVlink product range

28 | Electric vehicle charging solutions

schneider-electric.com.au
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)</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>With socket outlet on right side - Silver plated contacts</td>
<td>T2 with shutter</td>
<td>Key 7.4 (1P) / 22 (3P)</td>
<td>EVB1A22PAKI</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>RFID (2) 7.4 (1P) / 22 (3P)</td>
<td>EVB1A22PARI</td>
<td></td>
</tr>
<tr>
<td>With attached cable 4.5 m. on right side - Silver plated contacts</td>
<td>T1</td>
<td>Key 7.4 (1P)</td>
<td>EVB1A7PAKI</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>RFID (2) 7.4 (1P)</td>
<td>EVB1A7PARI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>T2</td>
<td>Key 7.4 (1P)</td>
<td>EVB1A7PCKI</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>RFID (2) 7.4 (1P)</td>
<td>EVB1A7PCRI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>T2</td>
<td>Key 22 (3P)</td>
<td>EVB1A22PCKI</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>RFID (2) 22 (3P)</td>
<td>EVB1A22PCRI</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</td>
<td>22 kW - 32 A</td>
</tr>
</tbody>
</table>

Protection

<table>
<thead>
<tr>
<th>Description</th>
<th>Single-phase</th>
<th>Three-phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circuit breaker (overcurrent) (1)</td>
<td>40 A Curve C</td>
<td>40 A Curve C</td>
</tr>
<tr>
<td>RCD (residual current) (2)</td>
<td>30 mA B Type for EV (2): A9Z51240</td>
<td>30 mA B Type for EV: A9Z51440</td>
</tr>
<tr>
<td>Under voltage tripping auxiliary with iC60</td>
<td>A9A26969 (3)</td>
<td>A9A26969 (3)</td>
</tr>
<tr>
<td>Under voltage tripping auxiliary with DT40</td>
<td>A0N26969 (3)</td>
<td>A0N26969 (3)</td>
</tr>
<tr>
<td>Deferred start Relay</td>
<td>With normally open contact (4)</td>
<td></td>
</tr>
<tr>
<td>Load-shedding Relay</td>
<td>With normally open contact (4)</td>
<td></td>
</tr>
</tbody>
</table>

(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) 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
# 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.
  - Reference: EVP2MX

## Spare part references

### Front panel
- Reference: EVP1HCWN

### Key lock
- Key lock Random
  - Reference: EVP1HLRS
- Key lock Single
  - Reference: EVP1HLSS

### Attached cable
- **T1 charging connector**
  - 32 A single-phase
  - Reference: EVP1CBS321A45
- **T2 charging connector**
  - 32 A single-phase
  - Reference: EVP1CBS321C45
- **T3 charging connector**
  - 32 A three-phase
  - Reference: EVP1CBS323C45

### Spare part references

### Socket outlet
<table>
<thead>
<tr>
<th>Reference</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>T2S</td>
<td>EVP1BSE43</td>
</tr>
<tr>
<td>T2</td>
<td>EVP1BSE23</td>
</tr>
</tbody>
</table>

---

**Example:**
- If you order one EVP1HLRS, 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.
### Practical information

#### Dimensions (mm)

<table>
<thead>
<tr>
<th>With socket outlets</th>
<th>With attached cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2 kg (13.66 lb) - T2/T2S</td>
<td>7.7 kg (15.43 lb) - 7.4 kW</td>
</tr>
<tr>
<td>6.6 kg (14.55 lb) - T2/T2S + TE</td>
<td>8.3 kg (17.63 lb) - 22.1 kW</td>
</tr>
</tbody>
</table>

#### 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>Installation Guide (1) (model with attached cable)</td>
<td>EN / FR / ES / IT</td>
<td>NHA9518</td>
</tr>
<tr>
<td>User guide (2)</td>
<td>EN / FR / ES / IT</td>
<td>NHA95096</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
EVlink product range

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 with shutters) thanks to silver plated contact avoiding overheating
- 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
- …

At home - condominium

At work
In short

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).

In private parking area

On street
EVlink Parking

Characteristics

Power supply network
- Earthing system: TT, TN-S, TN-C-S
- 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
- Mode 3 with T2 socket outlet (with 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

### 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><strong>7.4 kW (1P - 32 A)</strong> 22 kW (3P - 32 A)</td>
</tr>
<tr>
<td>1 (1)</td>
<td>T2 with shutters</td>
<td>EVF2S7P04</td>
<td>EVF2S22P04</td>
</tr>
<tr>
<td>2</td>
<td>T2 with shutters</td>
<td>EVF2S7P44</td>
<td>EVF2S22P44</td>
</tr>
<tr>
<td><strong>With RFID reader (2)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 (1)</td>
<td>T2 with shutters</td>
<td>EVF2S7P04R</td>
<td>EVF2S22P04R</td>
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<tr>
<td>2</td>
<td>T2 with shutters</td>
<td>EVF2S7P44R</td>
<td>EVF2S22P44R</td>
</tr>
</tbody>
</table>

(1) On the right side of the charging station.
(2) Includes 10 RFID badges.

### Wall mounted

<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>
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</thead>
<tbody>
<tr>
<td><strong>Plug and charge - without RFID reader</strong></td>
<td></td>
<td></td>
<td><strong>7.4 kW (1P - 32 A)</strong> 22 kW (3P - 32 A)</td>
</tr>
<tr>
<td>1 (1)</td>
<td>T2 with shutters</td>
<td>EVW2S7P04</td>
<td>EVW2S22P04</td>
</tr>
<tr>
<td>2</td>
<td>T2 with shutters</td>
<td>EVW2S7P44</td>
<td>EVW2S22P44</td>
</tr>
<tr>
<td><strong>With RFID reader (2)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 (1)</td>
<td>T2 with shutters</td>
<td>EVW2S7P04R</td>
<td>EVW2S22P04R</td>
</tr>
<tr>
<td>2</td>
<td>T2 with shutters</td>
<td>EVW2S7P44R</td>
<td>EVW2S22P44R</td>
</tr>
</tbody>
</table>

(1) On the right side of the charging station.
(2) 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****, EVF1***** 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

Several vehicle connector/plug combinations are available for charging stations.

Please refer to page 44
Spare part references

Base

Floor-standing base. Reference: EVP2FBS See page 39

Wall-mounted base. Reference: EVP1WBS

Enclosure

Table: Characteristics and References

<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>EVP2PE722R</td>
</tr>
<tr>
<td>7.4 kW 2XT2S</td>
<td>EVP2PE744</td>
</tr>
<tr>
<td>7.4 kW 2XT2S RFID</td>
<td>EVP2PE744R</td>
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<td>7.4 kW T2-TF</td>
<td>EVP2PE72F</td>
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<tr>
<td>7.4 kW T2-TF RFID</td>
<td>EVP2PE72FR</td>
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<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>
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<td>22 kW 2XT2</td>
<td>EVP2PE2222</td>
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<td>22 kW 2XT2 RFID</td>
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<tr>
<td>22 kW 2XT2S</td>
<td>EVP2PE2244</td>
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<td>22 kW 2XT2S RFID</td>
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<tr>
<td>22 kW T2-TF</td>
<td>EVP2PE222F</td>
</tr>
<tr>
<td>22 kW T2-TF RFID</td>
<td>EVP2PE222FR</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 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

<table>
<thead>
<tr>
<th>Charging station type</th>
<th>Floor-standing</th>
<th>Wall-mounted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package</td>
<td>Composition</td>
<td>Weight</td>
</tr>
<tr>
<td>1</td>
<td>Cap</td>
<td>17 Kg</td>
</tr>
<tr>
<td>2</td>
<td>Enclosure</td>
<td>20 Kg</td>
</tr>
<tr>
<td>3</td>
<td>Wall base</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Floor base</td>
<td>13 Kg</td>
</tr>
</tbody>
</table>

Dimensions (mm)

Floor-standing charging station

Wall-mounted charging station

Additional information

To download the above documents, do a search by reference on www.schneider-electric.com
Recommended protective devices per charging station circuit

<table>
<thead>
<tr>
<th>Electrical circuit protection - Specifications / Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Powered device</strong></td>
</tr>
<tr>
<td><strong>Rated Power - Current</strong></td>
</tr>
<tr>
<td><strong>Protective devices</strong></td>
</tr>
<tr>
<td><strong>Circuit breaker (overcurrent)</strong></td>
</tr>
<tr>
<td><strong>RCD (residual current)</strong></td>
</tr>
<tr>
<td><strong>Under voltage tripping auxiliary</strong></td>
</tr>
<tr>
<td><strong>with iC60</strong></td>
</tr>
<tr>
<td><strong>with DT40</strong></td>
</tr>
<tr>
<td><strong>References to be defined and local availability to be checked by Schneider Electric front offices.</strong></td>
</tr>
<tr>
<td><strong>In accordance with the electrical installation standard HD 60364-7-722:2016. Refer to local regulation.</strong></td>
</tr>
<tr>
<td><strong>Necessary to meet EV Ready requirements.</strong></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

Scan or click on QR code
The EVlink product range

EVlink DC fast charge

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
- Protected against short circuit, overload
- 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

Charging station references

<table>
<thead>
<tr>
<th>EVlink DC fast chargers</th>
<th>References</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 kW DC CHAdeMO</td>
<td>EVD1S24TOH</td>
<td>86</td>
</tr>
<tr>
<td>CCS Combo 2</td>
<td>EVD1S24TOB</td>
<td>66</td>
</tr>
<tr>
<td>CHAdeMO + CCS Combo 2</td>
<td>EVD1S24THB</td>
<td>85</td>
</tr>
<tr>
<td>24 kW DC/22 kW AC CHAdeMO + CCS Combo 2 + AC Type 2</td>
<td>EVD1S24THB2</td>
<td>85</td>
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</table>

<table>
<thead>
<tr>
<th>Pedestals</th>
<th>References</th>
<th>Weight (kg)</th>
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<tbody>
<tr>
<td>For EVD1S24TOH, EVD1S24TOB</td>
<td>EVP1DB1LG</td>
<td>51</td>
</tr>
<tr>
<td>For EVD1S24TOHB, EVD1S24TOHB2</td>
<td>EVP1DB2LG</td>
<td>53</td>
</tr>
</tbody>
</table>
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 44.

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

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

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.

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>
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<td>EVP1CNX32121</td>
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<td>⬜</td>
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<td>EVP1CNX32322</td>
<td>⬜</td>
<td>⬜</td>
<td>⬜</td>
</tr>
</tbody>
</table>
Managing the charging station energy
EVlink Load Management System
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

Load management for Standalone charging station

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.
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 station.

Building Management System

EVlink Load Management System

1. Set point
2. Monitoring
3. Power allocation

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.
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 55011 class A group 1
• EN 61000-6-4

Product certifications
• EAC
• RCM
• CE quality mark
• 24 months warranty for the entire EVlink range

<table>
<thead>
<tr>
<th>EVlink Load Management System</th>
<th>Max charging points (1)</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>
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<td>Dynamic (3)</td>
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</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
Solutions for your project

Listen
Understand
Propose

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.

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

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.
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

Electric vehicle news on the website

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

Scan or click on QR code

schneider-electric.com/electric-vehicle
EVlink Wallbox charging stations

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<td>Charging stations with socket outlet</td>
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<td>3.7 kW – T2 with shutters</td>
<td>EVH2S3P04K</td>
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<td>7.4 kW – T2 with shutters</td>
<td>EVH2S7P04K</td>
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<tr>
<td>11 kW – T2 with shutters</td>
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<td>Charging stations with 4 m attached cable</td>
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Spare parts

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<tr>
<td>Key lock</td>
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<td>Key lock random (1 lock + 2 keys)</td>
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<td>EVP1HCWN</td>
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<td>Socket outlet</td>
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<td>T2S single-phase</td>
<td>EVP1HSM41</td>
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<tr>
<td>T2 single-phase</td>
<td>EVP1HSM21</td>
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<td>T2S three-phase</td>
<td>EVP1HSM43</td>
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<td>T2 three-phase</td>
<td>EVP1HSM23</td>
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<td>EVP2CNS161A4</td>
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<td>Attached cable T1 - 32 A single-phase</td>
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Accessory

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<td>Pedestal for 1 or 2 EVlink Wallbox</td>
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Additional offer

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<tr>
<th>Test tool</th>
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<td>Electric vehicle simulation tool</td>
<td>NCA93100</td>
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## EVlink Smart Wallbox charging stations

### Characteristics

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<td>Charging stations with socket outlet</td>
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<tr>
<td>7.4 / 22 kW – T2 shutter - Key lock</td>
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<td>7.4 / 22 kW – T2 shutter - RFID</td>
<td>EVB1A22P4RI</td>
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<td>Charging stations with 4.5 m attached cable</td>
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<tr>
<td>7.4 kW – T1 - Key lock</td>
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<td>7.4 kW – T1 - RFID</td>
<td>EVB1A7PARI</td>
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<td>7.4 kW – T2 - Key lock</td>
<td>EVB1A7PCKI</td>
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<td>7.4 kW – T2 - RFID</td>
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<td>22 kW – T2 - Key lock</td>
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### Spare parts

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<td>Key lock</td>
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<td>Key lock random (1 lock + 2 keys)</td>
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<td>Key lock single (10 locks + 20 identical keys)</td>
<td>EVP1HLSS</td>
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<td>Socket outlet</td>
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</tr>
<tr>
<td>Socket outlet T2S three-phase</td>
<td>EVP1BSE43</td>
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<td>Socket outlet T2 three-phase</td>
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<tr>
<td>Attached cable</td>
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<td>EVP1CBS321A45</td>
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### Accessories

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<td>3G/4G modem antenna (for EVlink Smart Wallbox only)</td>
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## EVlink Parking charging stations

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<td><strong>Floor-standing charging stations</strong></td>
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<td>7.4 kW – 1 x T2 with shutters</td>
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| **Wall-mounted charging stations** | |
| 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 with shutters | EVW2S7P44 |
| 7.4 kW – 2 x T2 with shutters - RFID | EVW2S7P44R |
| 22 kW – 1 x T2 with shutters | EVW2S22P04 |
| 22 kW – 1 x T2 with shutters - RFID | EVW2S22P04R |
| 22 kW – 2 x T2 with shutters | EVW2S22P44 |
| 22 kW – 2 x T2 with shutters - RFID | EVW2S22P44R |

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

### Accessories

<table>
<thead>
<tr>
<th>Accessories</th>
<th>References</th>
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</thead>
<tbody>
<tr>
<td>Pack of 10 RFID badges</td>
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<td>Cable holder</td>
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<td>DIN rail mounting kit</td>
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### Communication interfaces

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EVlink Parking charging stations

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<td>7.4 kW – 1 x T2 with shutters</td>
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<td>Wall-mounted base</td>
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<td>Green socket outlet T2</td>
<td>EVP1PSS2</td>
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<td>Green socket outlet T2S</td>
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<td>Green socket outlet TF</td>
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Additional offer

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<thead>
<tr>
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<td>Electric vehicle simulation tool</td>
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### EVlink DC Fast Charge

<table>
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<tr>
<td>DCFC 24 kW with 3.25 m attached cable</td>
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<td>EVlink 24 kW DC Charger</td>
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<tr>
<td>CHAdeMO single</td>
<td>EVD1S24THB</td>
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<tr>
<td>CCS Combo 2 single</td>
<td>EVD1S24THB</td>
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<td>CHAdeMO - CCS Combo 2 bistandard</td>
<td>EVD1S24THB</td>
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<td>EVlink 24/22 kW DC/AC Charger</td>
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### EVlink Load Management System

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(1) For > 50 charging stations, please consult us

### Charging Cables

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