

# Flexible, fast, and efficient charge sessions

EVlink Pro DC 120, 150, or 180 kW



## Unique features

### User friendly

Simple and intuitive to:

- Purchase
- Install
- Commission
- Use
- Operate
- Maintain

### Advanced connectivity

- Ethernet, modem, and Wi-fi connectivity
- Remote monitoring
- Smart charging
- Open protocol

### Flexible

- Scalable from 120 kW to 150 kW and 180 kW
- Interoperable
- Modular
- Customizable look and feel
- Dynamic simultaneous charging

### Sustainable

- Repairability

### Reliable

- 100% tested and certified
- Compliant with strict standards (ISO, IEC, etc.)
- Protection directly embedded in the charger including SPD

### Appreciable serviceability

- On-site: commissioning, preventive and corrective maintenance
- Remote: up-time optimization

## Benefits

- Schneider Electric launches the next generation of charging stations for electric vehicles: EVlink Pro DC range.
- EVlink Pro DC range:
  - Enables highly reliable, flexible and sustainable charge sessions either for destination charging and fleet depot
  - Optimizes energy consumption
  - Maximizes uptime and efficiency
  - Ensures a seamless user experience for EV installers, operators and drivers

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# Characteristics

Characteristics	
Range	EVlink
Product name	EVlink Pro DC 180 kW
Product type	DC charging station
Device short name	EVD1S1
Power supply	3 PH
Poles description	L1+L2+L3+N+PE
(Us) rated supply voltage	380 V – 415 Vac +/- 10% 50 / 60 Hz
Vehicle connector number	2
Output type	Combo CCS type 2 / CHAdeMO
Earthing system	TT TN-S / TN-C-S Compatible IT with additional isolation transformer on the power supply
Output Voltage	CCS2 : 150 – 1000 VDC CHAdeMO : 150 – 500 VDC
Output Current	CCS2 : 300 A max CHAdeMO : 125 A max
Nominal output power	CCS2 : 180 kW max CHAdeMO : 60 kW max
Power factor	0.99 at nominal output power
Efficiency	94.5% at nominal output power
THDi	≤ 5% at nominal output power
DC meter	Each DC output includes Class 1 DC meter (1% accuracy at full scale) visible by any user
Standby power	90 W
Protection	Protected against short circuit, overload, Residual Current Device on DC output, protected against overheating, temperature regulated
Dynamic-simultaneous charging	Possibility to charge two vehicles simultaneously. The charging station automatically adapts to use the full charging power available and to respond to the actual power request of each vehicle(s) connected to minimize the charging time.
Cable length	Usable cable length 3,6 m
Mounting mode	Floor standing

## Current information and protections to use with EVlink Pro DC 120, 150, or 180 kW

Current information and protections with EVlink Pro DC 120 - 150 - 180 kW				
Current				
Power		120 kW	150 kW	180 kW
	Rated current	193 A	242 A	291 A
	Max current	214 A	268 A	323 A
Suggested protections				
<b>Circuit breaker (overcurrent)</b>		<b>3P+N or 4P</b>	<b>3P+N or 4P</b>	<b>3P+N or 4P</b>
<b>Schneider Electric references*</b>		C25F4TM250 or C25F44V250 <sup>1</sup>	C40F42D400 + optional RCD protection LV432465	C40F42D400 + optional RCD protection LV432465

<sup>1</sup> Optional RCD protection included

Note: if there is plan to upgrade later (from 120 to 150 kW or 150 to 180kW....) already consider the protection sizings for DC 180 kW.

## Complementary

Complementary	
<b>Local signal</b>	1x multi-colour LED for status indication for each vehicle connector
<b>User Interface</b>	10.4" screen
<b>Multi-language support</b>	English, French, German, Norwegian, Spanish. Possibility to add additional language
<b>Communication port protocol</b>	OCPP 1.6 Json smart charging ISO15118 / DIN 70121
<b>Embedded network connection</b>	Wi-Fi Ethernet Modem 4G
<b>Access control system</b>	<ul style="list-style-type: none"> <li>– RFID Badge reader conforming to ISO / IEC 14443 Type A&amp;B and ISO/IEC 15693</li> <li>– NFC reader compatible with tag type 1,2,4,5</li> <li>– Reader support : MIFARE Ultralight, MIFARE Classic 1K/4K, MIFARE DESFire EV1/EV2, MIFARE Plus cards</li> <li>– Autocharge (EV Mac address)</li> </ul>
<b>Function available</b>	Load management Diagnosis capabilities Software updates
<b>Cooling</b>	Filter air cooling
<b>Easy to use</b>	Accessible to disable people

\* To check availability, please contact Schneider Electric front offices.

# Environment

Environment	
Standard Compliance	IEC/EN 61851-1 – Ed 3.0 IEC/EN 61851-23 – Ed 1.0 IEC/EN IEC62196-1 & IEC62196-3 EMC EN 61000-6-2 - Ed 2005 – EN 61000-6-4 - EMC class A  Radio certification RFID/NFC : EN 300 330 V2.1.1 4G : EN 301 908 -13 V13.1.1 Wi-Fi : EN 300 328 V2.2.2 - EN 301 893  EMC radio Equipment EN 301 489-1 V2.2.0 RFID/NFC : EMC EN 301 489-3 V2.1.1 4G : EMC EN 301 489-52 V1.1.0 Wi-Fi : EMC EN 301 489-17 V2.1.1
Product certifications	CE
IP degree of protection	IP55
IK degree of shock protection	IK10 – screen IK08
Ambient air temperature for operation	- 30...+50°C derating above 50°C
Ambient air temperature for storage	-40...+70°C
Relative humidity	5...95 %
Operating altitude	up to 2000 m (without physical derating)
Acoustic noise	Variable under load : 0 to 65 dB at 1m in front of the charger
Sensors	Humidity sensor; door sensor; tilt sensor; water sensor
Charge interrupt button	Yes
Housing corrosion protection	C4M



Offer sustainability	
Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life information
REACH Regulation	Compliant

## Charging station dimensions and weight

Charging station dimensions and weight	
Height Charging Station	2202 mm / 87 in.
Width Charging Station	1050 mm / 41,3 in.
Depth Charging Station	950 mm / 35,7 in.
Net weight	
– EVD1S120xxx	~406 kg / 896 lb. without power module ~466 kg / 1028 lb. with power modules
– EVD1S150xxx	~406 kg / 896 lb. without power module ~481 kg / 1061 lb. with power modules
– EVD1S180xxx	~406 kg / 896 lb. without power module ~496 kg / 1094 lb. with power modules
– EVP1D00S30	Power Module : 15 kg – 33.07 lb.
Colours Charging Station	Front face : RAL 9003 Side and rear : PANTONE black C
Material Charging Station	304 Stainless steel

## EVlink Pro DC 120 - 150 - 180 kW references and accessories

Part number	Power	Type of vehicle connector
EVD1S120TBB	120 kW	2x CCS2
EVD1S120THB	120 kW	1x CCS2 + 1x CHAdeMO
EVD1S150TBB	150 kW	2x CCS2
EVD1S150THB	150 kW	1x CCS2 + 1x CHAdeMO
EVD1S180TBB	180 kW	2x CCS2
EVD1S180THB	180 kW	1x CCS2 + 1x CHAdeMO
References	EVlink accessories	
EVP1BNS	10 RFID badges	
EVA1D100S30	Additional 30 kW Power module permitting to upgrade : – DC 120 kW to 150 kW – DC 150 kW to 180 kW – 2 power modules are needed to upgrade DC 120 kW to 180 kW	

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