



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

Characteristics

Characteristics	
Range	EVlink
Product name	EVlink Pro DC 180 kW
Product type	DC charging station
Device short name	EVD1S1
Electrical Characteristics	
Power supply	3 PH
Poles description	L1+L2+L3+N+PE
(Us) rated supply voltage	380 V – 415 Vac +/- 10% 50 / 60 Hz
Earthing system	TT TN-S / TN-C-S Compatible IT with additional isolation transformer on the power supply
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
Overvoltage category	OVC III
Rated conditional short-circuit current	30 kA
Charger Interfaces	
Vehicle connector number	2
Output type	Combo CCS type 2 / CHAdeMO
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; 150 kW or 120 kW CHAdeMO : 60 kW max
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	3.6 m cable range with cable management

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				
Circuit breaker (overcurrent)		3P+N or 4P	3P+N or 4P	3P+N or 4P
Schneider Electric references		C25F4 + C254TM250 or C25F4 + C2544V250 ¹	C40F4 + C4042D400 + optional RCD protection LV432465	C40F4 + C4042D400 + optional RCD protection LV432465

¹ 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	
Local signal	1x multi-colour LED for status indication for each vehicle connector
User Interface	10.4" screen
Multi-language support	English, French, German, Norwegian, Spanish. Possibility to add additional language
Communication port protocol	OCPP 1.6 Json smart charging ISO15118 / DIN 70121
Embedded network connection	Wi-Fi Ethernet Modem 4G
Access control system	– RFID Badge reader conforming to ISO / IEC 14443 Type A&B and ISO/IEC 15693 – NFC reader compatible with tag type 1,2,4,5 – Reader support : MIFARE Ultralight, MIFARE Classic 1K/4K, MIFARE DESFire EV1/EV2, MIFARE Plus cards – Autocharge (EV Mac address)
Function available	Load management Diagnosis capabilities Software updates
Cooling	Filter air cooling
Easy to use	Accessible to disable people
Mounting mode	Floor standing

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 (no derating in this temperature range)
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
Colours Charging Station	Front face : RAL 9003 Side and rear : PANTONE black C
Material Charging Station	304 Stainless steel

Green Premium™

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

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Dimensions (cabinet with cable management)	H 2202 x W 1050 x D 982 mm (H 86.69 x W 41.34 x D 38.67 In.)
Dimensions (cabinet without cable management)	H 2103 x W 833 x D 963 mm (H 83.86 x W 32.80 x D 37.92 In.)

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

Power	Connector(s)	References(1)	Weight without power module	Weight with power module	Cable range	Cable management
120 kW DC	CCS Combo 2+ CCS Combo 2	EVD1S120TBB-AN	~470 kg / 1037 lb	~530 kg / 1168 lb	3.6m	Yes
	CHAdemo+CCS Combo 2	EVD1S120THB-AN	~470 kg / 1037 lb	~530 kg / 1168 lb	3.6m	Yes
150 kW DC	CCS Combo 2 + CCS Combo 2	EVD1S150TBB-AN	~470 kg / 1037 lb	~545 kg / 1201 lb	3.6m	Yes
	CHAdemo + CCS Combo 2	EVD1S150THB-AN	~470 kg / 1037 lb	~545 kg / 1201 lb	3.6m	Yes
180 kW DC	CCS Combo 2 + CCS Combo 2	EVD1S180TBB-AN	~470 kg / 1037 lb	~560 kg / 1235 lb	3.6m	Yes
	CHAdemo + CCS Combo 2	EVD1S180THB-AN	~470 kg / 1037 lb	~560 kg / 1235 lb	3.6m	Yes

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 – Power Module: 15 kg – 33.07 lb