Flexible, fast, and efficient charge sessions

EVlink Pro DC 120, 150, or 180 kW

What are the key advantages of EVlink Pro DC?

Benefits

- Designed for fleets depots and commercial and industrial buildings
- Fully integrated into Schneider Electric end-to-end solutions, leveraging its expertise in energy management, electrical solutions and digital technologies
- Supported by high-end services with a worldwide network of technicians to optimize the performance of the EV infrastructure and keep the assets running in optimum condition.
- Ensures a seamless user experience for EV installers, operators and drivers

Unique features

Flexibility

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

Advanced Connectivity

- Embedded 4G modem and Wi-Fi module enabling remote monitoring and smart charging
- Interoperability thanks to OCPP 1.6 Json, certified with dozens of CSMS back-ends
- Prepare for future technologies with ISO15118 Plug & Charge and Smart Charging readiness

Reliability and safety

- Robust products:
  - 100% tested and certified on the production line
  - Third-party lab certification for IEC 61851-1 ed3 and IEC 61851-23
- Protection directly embedded in the Charger including SPD
- Eichrecht certified

Serviceability

- Customer support in local language, backed by dedicated expertise either remotely or through advanced on-site assistance
- Comprehensive manufacturer-delivered services covering the entire lifecycle, from installation and commissioning to maintenance and modernization
- High repairability level with full scope available spare parts

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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 without any additional filter
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, 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
Output Voltage	CCS2 : 150 – 1000 VDC
Output Current	CCS2 : 300 A max
Nominal output power	CCS2 : 180 kW; 150 kW or 120 kW
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	5 m cable length (3.6 m cable range) with cable management or 7.5m cable length and range without 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*		C25F4TM250 or C25F44V250[1]	C40F42D400 + optional RCD protection LV432465	C40F42D400 + 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) – Credit card reader (Option available in Europe)
Function available	Load management Diagnosis capabilities Software updates
Cooling	Filter air cooling
Easy to use	Accessible to disable people
Mounting mode	Floor standing

* 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 and Eichrecht certification
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
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

Charging station dimensions	
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 845 x D 982 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)	Reference	Weight without power module	Weight with power module	Embed-ded credit card reader	Cable range	Cable man-agement	Eichrecht certified
120 kW	CCS2 + CCS2	EVD1S120TBB	~470 kg / 1037 lb	~530 kg / 1168 lb	**No**	**3.6m**	**Yes**	**No**
150 kW	CCS2 + CCS2	EVD1S150TBB	~470 kg / 1037 lb	~545 kg / 1201 lb	**No**	**3.6m**	**Yes**	**No**
180 kW	CCS2 + CCS2	EVD1S180TBB	~470 kg / 1037 lb	~560 kg / 1235 lb	**No**	**3.6m**	**Yes**	**No**
120 kW	CCS2 + CCS2	EVD1S120TBBCC	~470 kg / 1037 lb	~530 kg / 1168 lb	**Yes**	**3.6m**	**Yes**	**No**
	CCS2 + CCS2	EVD1S120TBBCC-G	~470 kg / 1037 lb	~530 kg / 1168 lb	**Yes**	**3.6m**	**Yes**	**Yes**
150 kW	CCS2 + CCS2	EVD1S150TBBCC	~470 kg / 1037 lb	~545 kg / 1201 lb	**Yes**	**3.6m**	**Yes**	**No**
	CCS2 + CCS2	EVD1S150TBBCC-G	~470 kg / 1037 lb	~545 kg / 1201 lb	**Yes**	**3.6m**	**Yes**	**Yes**
180 kW	CCS2 + CCS2	EVD1S180TBBCC	~470 kg / 1037 lb	~560 kg / 1235 lb	**Yes**	**3.6m**	**Yes**	**No**
	CCS2 + CCS2	EVD1S180TBBCC-G	~470 kg / 1037 lb	~560 kg / 1235 lb	**Yes**	**3.6m**	**Yes**	**Yes**
120 kW	CCS2 + CCS2	EVD1S120TBBC7	~451 kg / 995 lb	~511 kg / 1127 lb	**No**	**7.5m**	**No**	**No**
	CCS2 + CCS2	EVD1S120TBBC7-G	~451 kg / 995 lb	~511 kg / 1127 lb	**No**	**7.5m**	**No**	**Yes**
150 kW	CCS2 + CCS2	EVD1S150TBBC7	~451 kg / 995 lb	~526 kg / 1160 lb	**No**	**7.5m**	**No**	**No**
	CCS2 + CCS2	EVD1S150TBBC7-G	~451 kg / 995 lb	~526 kg / 1160 lb	**No**	**7.5m**	**No**	**Yes**
180 kW	CCS2 + CCS2	EVD1S180TBBC7	~451 kg / 995 lb	~541 kg / 1193 lb	**No**	**7.5m**	**No**	**No**
	CCS2 + CCS2	EVD1S180TBBC7-G	~451 kg / 995 lb	~541 kg / 1193 lb	**No**	**7.5m**	**No**	**Yes**

References	EVlink accessories
EVP1BNS	10 RFID badges
EVA1D100S30	Additional 30 kW Power module permiting 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.

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