Flexible, fast, and efficient charging

EVlink Pro DC 320

Benefits

- Designed for fast charging in Commercial and Industrial Buildings or fleet depots, EVlink Pro DC 320 is fully integrated into Schneider Electric end-to-end solutions, leveraging the company expertise in energy management, electrical solutions and digital technologies.
- Supported by a worldwide network of technicians and high-end services to optimize the performance of the EV infrastructure.
- Providing a seamless user experience for EV installers, operators and drivers.

Unique features

Advanced connectivity

- Embedded Wi-Fi and 4G modem that enable remote monitoring and smart charging
- Interoperability certified with dozens of CSMS (OCPP 1.6 Json)
- Plug and charge functionality (ISO15118)

Robustness

- 100% factory tested
- Third-party lab certification for IEC 61851-1 ed3 and IEC 61851-23/24 ed1
- Embedded electrical protections, including SPD

Flexibility

- Scalable from 240 kW to 320 kW
- Dynamic simultaneous charging
- Customizable for a specific project

Serviceability

- Customer support in local language, backed by dedicated expertise, on-site or remotely
- Comprehensive manufacturer services covering the entire lifecycle, from installation and commissioning, to maintenance and modernization
- High repairability level with full scope of available spare parts
- Ecostruxure Energy Asset Portal for remote assistance and diagnostic (Schneider Electric Customer Care Center or field services team)

Characteristics

Characteristics	
Range	EVlink Pro DC
Product name	EVlink Pro DC 320
Product type	DC charging station
Device short name	EVD2S320 EVD2S240
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	97% peak at nominal output power
THDi	≤ 5% at nominal output power without any additional filter
DC meter	Each DC output includes Class A DC PTB/MID meter (1% accuracy at full scale) visible by any user
Standby power	<60 W without top LED (version without cable management) <80 W with top LED (version with cable management)
Protection	Protected against short circuit, overload, overheating, and temperature regulated
Overvoltage category	OVC III
Rated conditional short-circuit current	25 kA
Charger Interfaces	
Vehicle connector number	2
Output type	CCS2
Output Voltage	CCS2: 150 – 1000 VDC
Output Current	CCS2: 300 A rated current with boost mode up to 500 A
Nominal output power	CCS2: 240 kW, 320 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.

Current information and protections to use with EVlink Pro DC 320

Current information and protections with EVlink Pro DC 240–320 kW			
Current			
Power		**240 kW**	**320 kW**
	Rated current	380 A	507 A
	Max current	422 A	563 A
Suggested protections			
Circuit breaker (overcurrent)		3P+N or 4P	3P+N or 4P
Schneider Electric™ offer range		ComPacT NSX630 4P 570 A + Optional Earth-leakage VigiPacT add-on protection module	ComPacT NSX630 4P 630 A + Optional Earth-leakage VigiPacT add-on protection module

Note: if planning to upgrade from 240 kW to 320 kW at a later stage, consider the protection sizings for DC 320 kW.

Complementary

Complementary	
Local signal	1x multi-colour LED for status indication for each vehicle connector, plus 1x multi-colour LED for status of the charging station
User Interface	10.4” screen
Multi-language support	Bulgarian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Indonesian, Italian, Latvian, Lithuanian, Norwegian, Portuguese, Romanian, Spanish, Swedish, Thai, Ukrainian, Vietnamese. Possibility to add additional language.
Communication protocol	OCPP 1.6 Json smart charging including security part ISO15118-2 DIN 70121 VDV 261 BCB toggle wake-up ModBus TCP
Network connection	Wi-FI 802.11 b/g/n (2.4 GHz) Ethernet 100 BASE-TX Modem 4G (LTE-FDD, LTE-TDD, WCDMA, GSM)
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 – ISO 15118-2 Plug and Charge – Autocharge (EV Mac address) – Payment terminal (option available in Europe and Australia) – USB type C Connector – DIN 70121 – Modbus TCP
Function available	Load management Diagnosis capabilities Software updates Real-time charge cost display EV driver HMI customization for tarrif display EV driver HMI logo customization Connection to Ecostruxure Energy Asset Portal for remote support and troubleshooting (Schneider Electric Customer Care Center or field services team) CSMS notification in case of power outage Advertisement possibility
Cooling	Filter air cooling
Easy to use	Accessible to disable people (depending on the standards applicable in the country)
Mounting mode	Floor standing

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

Environment

Environment	
Standard Compliance	EN IEC 61851-1:2019 EN 61851-23:2014+AC:2016-06, EN 61851-24:2014 + AC:2015, EN IEC 62196-1:2022 EN IEC 62196-3:2022 EN IEC 61851-21-2:2021, EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019, EN 62311:2008-6-4:2007/A1:2011, EN 61000-6-2:2005 + AC 2005 EMC Class A Radio certification RFID/NFC: EN 300 330 V2.1.1(2017-02) 2/3/4G: EN 301 908-1 V15.2.1(2023-01), EN 301 908-2 V13.1.1(2020-06), EN 301 908-13 V13.2.1(2022-02), EN 301 511 V12.5.1(2017-03) Wi-Fi: EN 300 328 V2.2.2(2019-07) RED DA EN 18031-1/2/3: 2024 EMC radio Equipment RFID/NFC, 2/3/4G, Wi-Fi: EN 301 489-1 V1.9.2(2011-09), EN 301 489-1 V2.2.3(2019-11), EN 301 489-3 V2.3.2(2023-01), EN 301 489-17 V3.2.4(2020-09), EN 301 489-17 V3.3.1(2024-09), EN 301 489-3 V2.3.2(2023-01)
Product certifications	CE
IP degree of protection	IP55
IK degree of shock protection	IK10 – screen IK08
Ambient air temperature for operation	- 30…+55°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 (1 meter in front of the charger)
Sensors	Humidity sensor; door sensor; tilt sensor; water ingress sensor; fan sensors
Charge interrupt button	Yes
Housing corrosion protection	C4M
Colours Charging Station	Front face: RAL 9003 and RAL 9005 Side and rear: Dark grey silver
Material Charging Station	430 Stainless steel

Environmental data

Offer sustainability	
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 2230 x W 1259 x D 1076 mm
Dimensions (cabinet without cable management)	H 2050 x W 846 x D 1006 mm

EVlink Pro DC 240–320 kW references and accessories

Power	Reference	Connector	Weight without power module	Weight with power module	Payment terminal	Cable range	Cable management
320 kW	**EVD2S320TBB-IEC**	2 X CCS2	~474 kg	~610 kg	**No**	**3.8m**	**Yes**
	EVD2S320TBBC7-IEC	2 X CCS2	~455 kg	~591 kg	**No**	**7.5m**	**No**
240 kW	**EVD2S240TBB-IEC**	2 X CCS2	~474 kg	~576 kg	**No**	**3.8m**	**Yes**

References	Description
EVP1BNS	10 RFID badges

se.com

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