DC Charger for public charging

Schneider StarCharge Fast 60

Benefits

- Designed for public charging station Schneider StarCharge Fast 60 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.
- Schneider StarCharge Fast 60 can also be used for Commercial and Industrial Buildings or fleet depots.

Unique features

Flexibility

- Several cable lengths, with or without cable management system
- Customizable
- Payment terminal (option)

Robustness

- 100% factory tested
- Third-party lab certification for IEC 61851-1 ed3 and IEC61851-23/24 ed1
- Embedded electrical protections, including SPD

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)

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)

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Characteristics

Characteristics	
Range	Schneider StarCharge Fast
Product name	Schneider StarCharge Fast 60
Product type	DC charging station
Device short name	EVD2S60
Electrical Characteristics	
Power Supply	3 PH
Poles description	L1+L2+L3+N+PE
(US) rated supply voltage	380 - 415 Vac +/- 10% 50 / 60 Hz
Earthing system	TT TN-S / TNC-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 B DC MID/PTB meter (1% accuracy at full scale) visible by any user
Standby power	36 W
Protection	Protected against short circuit, overload, overheating, and temperature regulated
Overvoltage category	OVC III
Rated conditional short-circuit current	35 kA
Charger Interfaces	
Vehicle connector number	2
Output type	CCS2
Output voltage	CCS2 : 150 – 1000 VDC
Output current	CCS2 : 200 A max
Nominal Output Power	CCS2 : 60 kW max
Simultaneous charging	Possibility to charge two vehicles at 30 kW simultaneously

Current information and protections to use with Schneider StarCharge Fast 60

Current information and protections to use with Schneider StarCharge Fast 60 kW		
Current		
Power		60 kW
	Rated Current	95 A
	Max Current	105 A
Suggested protections		
Circuit Breaker (Overcurrent) Schneider Electric™ offer range		3P+N or 4P ComPacT NSX250 4P 125 A + Earth-leakage VigiPacT add-on protection module

Complementary

Complementary	
Local signal	1x multi-colour LED for status indication for each vehicle connector
User Interface	7” 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 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 – ISO15118 Plug and Charge – Autocharge (EV Mac address) – Payment terminal (option available in Europe and Australia) – USB type C Connector
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 options	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 62311:2008 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 61000-6-4:2007/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 301 489-52 V1.2.1(2021-11), EN 301 489-52 V1.3.1(2024-11)
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	< 51 dB @1 m in front of the charger
Sensors	Humidity sensor; tilt sensor; door sensor, water ingress sensor, fan sensor
Charge interrupt button	Yes
Housing corrosion protection	C4M
Colors charging station	Front face: RAL 9003 and RAL 9005 Side and rear: Dark gray silver
Material charging station	430 Stainless steel

Environmental data

Offer sustainability	
EU RoHS directive	Compliant
Mercury free	Yes
RoHS exemption information	Yes
Environmental disclosure	Products Environmental Profile
Circularity profile	End Of Life information
REACH regulation	Compliant

Charging station dimensions

Charging station characteristics	Dimensions
Charging Station with cable management	H 1770 x W 1020 x D 470 mm
Charging Station without cable management	H 1650 x W 700 x D 470 mm

Schneider StarCharge Fast 60 kW references and accessories

Power	Reference	Connectors	Weight without power module	Weight with power module	Payment terminal	Cable range	Cable management
60 kW	**EVD2S60TBB**	2x CCS2	246 kg	276 kg	No	3.5 m	Yes
	EVD2S60TBBCC	2x CCS2	246 kg	276 kg	Payter Appollo	3.5 m	Yes
	EVD2S60TBBCC1	2x CCS2	246 kg	276 kg	PAX IM30	3.5 m	Yes
	EVD2S60TBBC7	2x CCS2	222 kg	252 kg	No	7.5 m	No

Reference	Description
EVP1BNS	10 RFID badges

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