Product datasheet

Specifications



DC Charger, EVlink Pro DC 720, 480 kW, Power Cabinet, 40kW Modules

EVD1S480-AN

Main

Range	EVlink Pro DC 720
Product name	EVlink Pro DC 480
Product or component type	Power cabinet
Type of installation	Indoor/outdoor
Poles description	3P + N + E

Complementary

Range compatibility	EVlink EVlink Field Services EVlink EVlink Load Management System
Device application	Electrical Vehicle charger
Mounting location	Floor stand
Earthing system	TN-S TN-C-S TT Compatible IT with additional isolation transformer on the power supply
[Us] rated supply voltage	380...415 V AC at 50/60 Hz, 3 phases + neutral
Input current	759…843 A
Nominal output power	480 kW at 0…380 A150...1000 V DC 720 kW (upgradable)
Number of outputs	12
Protection type	Short-circuit protection on output Overload protection Ground fault protection Temperature rise protection
Local signalling	1 green LED light strip, function: available 1 red LED light strip, function: fault indication
Control button type	Charge interruption button
Material	Enclosure: stainless steel 430
Colour	Front door: signal white (RAL 9003) Side panels: black (RAL 9005) Side panels: dark grey silver
Efficiency	97 %
Power factor	0.99
Ambient air temperature for operation	-30…50 °C (with derating above 50 °C)
Height	2206 mm
Width	1503 mm
Depth	1220 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net weight	922 kg (without power module) 1126 kg (with power module)
Services	Commercial service plan Commissioning service Warranty extension up to 5 years Repair service
Ethernet service	Web browser
Communication port protocol	OCPP 1.6 Modbus TCP Ethernet TCP/IP
Communication network type	4G WLAN Ethernet TCP/IP Wi-Fi

Environment

Electromagnetic compatibility	Immunity for industrial environments: Emission standard for industrial environments:
IP degree of protection	IP55
IK degree of protection	IK10
Ambient air temperature for storage	-40…70 °C
Operating altitude	0...2000 m
Relative humidity	5…95 %, without condensation
Standards	IEC 61851-1:ed. 3 IEC 61851-23:ed. 1 IEC 62196-1 IEC 62196-3 EN/IEC 61000-6-2:2005 EN/IEC 61000-6-4:class A ISO 15118-2 DIN 70121 VDV 261
Atmospheric-corrosivity category	C4

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	240.5 cm
Package 1 Width	112.6 cm
Package 1 Length	136.5 cm
Package 1 Weight	1264 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**0.2 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**0 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**0.2 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**80**
End of life manual availability	End of Life Information