



ESCO

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TOMORROW

Axon Side 180

Power unit for fast high charging direct current (DC). The device is a finished concept for connecting satellites or pantographs and also for creating and expanding charging HUBs. It is suitable for heavier electrical vehicles. It is designed for integration with all charging service providers.



Suitable for:

- Expressways
- Petrol stations
- Logistics parks
- Charging HUBs
- Parking for commercial vehicles park
- Bus depots



E-buses



E-trucks

Power	180 kW
Type of device	Power unit
Power class	Fast charging for high-speed charging – depending on the satellite
Number of outputs	1×
Voltage range	150–1000 V
Maximum charging current	250 A (up to 500 A)
Variants of charging at central stations	Satellites: Sat 400 & 600, Sat Box, Sat One +, Pantograph – Link One
Plug & Charge	Available

Axon Side 180

- Direct communication system with the service centre
- Remote access, diagnostics and software updates
- High efficiency innovative ventilation system with low noise < 60 dB
- Can be operated from the front of the charging station
- Resistant construction against vandalism and temperature between -25 °C and +55 °C
- Possibility of heat recovery generated by the charger
- Possibility to increase the power of the charging station by combining the modules in a lateral arrangement, without reducing the ventilation capacity
- For wall/facade mounting



SAT ONE +

- CCS connector (6 m)
- Control via intuitive 7" display with RFID technology
- Signal lights (Stack light)
- Communication with power supply unit (Ethernet)
- Resistant construction against vandalism and temperature between -25 °C and +55 °C

Power distribution

- 1x 180 kW
- Stationary design version
- 1 charging point

Axon Side 180

Technical specifications

Configuration, arrangement	1× CCS
Maximum charging power (kW)	180

Access

Power supply (V/Hz)	AC, 3× 400 / 50
Power supply capacity (kVA)	198
Network connection	Cable connector in the TNS system
Power factor	> 0,98

Output

Efficiency (%)	> 94
Maximum charging current (A)	250 (up to 500)
Output voltage range (V)	150–1 000

Communication

Recharge mode	IEC 61851-1, IEC 61851-23, IEC 61851-24, ISO 15118, DIN 70121
Protocol	OCPP 1.6-J, OCPP 2.0.1

General

Construction	Steel with galvanic coating
Protection	IP 54, IK 10
Dimensions (H x W x D, mm)	2 000 × 1 170 × 800
Weight (kg)	~ 700
Noise level (dB)	< 65
Operating temperature range (°C)	- 25 to +55, at > 40 the output current can be limited
Operating height (m above sea level)	≤ 2 000
Compliance with standards	CE, LVD 2014/35/UE, EMC 2014/30/UE, RED 2014/53/UE

Connectors

DC connectors	1× CCS – satellite
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Construction

Colour	RAL 9016
RAL colour (different)	Optional
Additional branding	Optional
Anti-graffiti	Optional

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Configuration, arrangement	1× CCS
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Interface

Display (screen)	Depending on the satellite model
Emergency call button	+
RFID card reader	Depending on the satellite model
Column with signal lights	Depending on the satellite model

Meters

Output power meter	Depending on the satellite model
Input power meter	+
In accordance with the metrology act (Eichrecht)	Depending on the satellite model

Payment system

CCV (Cardholder Certificate Validation)	Depending on the satellite model
Payter	Depending on the satellite model

Payment system

Data transfer	GSM (LTE) EEP, Ethernet
Catalogue number for ordering	AXS-B8C0X0000F-9016