

Axon Easy S 180

Power Unit for high-speed charging direct current (DC). This device is a pre-prepared concept for connection of satellites or pantographs and also for the creation and expansion of rechargeable HUBs. It supports recharging a wide range of electrical vehicles. It is designed for integration with all charging service providers



Suitable for:

- Expressways
- Petrol stations
- Rechargeable HUBs
- Parking
- Logistics parks
- Commercial premises



E-cars



E-buses



E-trucks

Power	180 kW
Type of device	Charging unit
Power class	Fast recharge - depending on satellite
Number of outputs	3x
Voltage range	150-1000 V
Maximum charging current	250 A (up to 500 A)
Charging options on the charging HUB	SAT 400 & 600 Sat Box Sat One + Pantograf - Link One
Plug & Charge	Available

Axon Easy S 180

Power distribution 3× 60 kW

Axon Easy S 180

- For wall / facade mounting
- Resistant construction against vandalism and temperature between -25 °C and +55 °C
- High ventilation efficiency while maintaining low noise emissions < 60 dB (normal volume of the conversation is 60-70 dB)
- Access to the charging station from all sides
- Remote access, diagnostics and software updates



Sat One +

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

Sat Box

- CCS connector (9.5 m)
- Communication with the power unit (Ethernet)
- Resistant construction against vandalism and temperature between -25 °C and +55 °C
- Column with signal lights (optional)
- Cable reel (optional)
- Mounting post (optional)



Axon Easy S 180

Technical specifications

Settings	Output satellite S1	Output satellite S1	Output satellite S1	Output satellite S1	Output satellite S3
Power (kW)	90	120	150	180	180 (3× 60)

Access

Power supply (V/Hz)	AC, 3× 400 / 50				
Power supply capacity (kVA)	99	132	165	198	198
Network connection	Cable connector in the TNS system				
Power factor	> 0,98				

Output

Efficiency (%)	> 94				
Maximum charging current (A)	250 (up to 500), 3× 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

Shroud (cover)	Steel with galvanic coating				
Protection	IP 54, IK 10				
Dimensions (H x W x D, mm)	2 000 × 750 × 980				
Weight (kg)	~450, ~500, ~525, ~550				
Noise level (dB)	< 60				
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	Output satellite 1×, Output satellite 3×				
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Shroud (cover)

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

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Interface

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

Meters

Output power meter	Electroplated steel
Input power meter	IP 54, IK 10
In accordance with the Metrology Act (Eichrecht)	2000 × 750 × 980

Payment system

CCV (Cardholder Certificate Validation)	Depending on the satellite model
Operating temperature range (°C)	Depending on the satellite model

Communication

Data transfer	CE, LVD 2014/35/UE, EMC 2014/30/UE, RED 2014/53/UE
Catalogue number for ordering	AXY-B8E0X0000H-9016