

Axon Side 400

Power supply unit providing fast and powerful DC charging. The device is ready for connecting satellites or pantographs and also for creating and expanding charging hubs. It is suitable for all types of electric vehicles.

Suitable for:

- Motorways
- Petrol stations
- Car parks
- Airports
- Commercial premises



E-cars



E-buses



E-trucks

Power	400 kW
Type of equipment	Power supply unit
Power class	High-power charging – depending on the satellite
Number of outputs	1× CCS (satellite) 2× CCS (satellites)
Voltage range	150–1 000 V
Maximum charging current	1× 750 A 2× 600 A
Charging HUB variants	SAT 600 SAT 400
Plug & Charge	Available

Axon Side 400

- Direct communication system with service centre
- Remote access, diagnostics and software updates
- High efficiency innovative ventilation system with low noise < 65 dB
- Front-end operation of the charging station
- Vandal-proof construction and temperature resistance from -35 °C to +55 °C
- Possibility of heat recovery generated by the charger
- Possibility of increasing the charging station's performance by combining modules in a side arrangement without reducing ventilation capacity
- For wall/facade mounting



SAT 400

- Ultra-fast DC charging
- LED lighting to indicate the status of the charging point
- Vandal-proof and temperature-resistant from -35 °C to +55 °C
- Intuitive 10" display with RFID card reader
- CMS system with swivel arm up to 270° and cable reach of 4.5 metres

SAT 600

- Ultra-fast DC charging
- Vandal-resistant casing and temperature resistance from -35 °C to +55 °C
- LED lighting to indicate the status of the charging point
- Remote diagnostics and system updates
- Cable management system with brake mechanism.
- CMS system with a swivel arm up to 270° and a cable reach of 4.5 metres



Axon Side 400

Technical specifications

Configuration	1× satellite	2× satellite
Power	400 kW	1× 400 (2× 200) W

Power consumption

Power supply (V/Hz)	AC, 3× 400/50	AC, 3× 400/50
Power connection (kVA)	435	435
Connection to the electrical network	Cable connector in TNS system	Cable connector in the TNS system
Power factor	> 0.99 (inductive)	> 0.99 (inductive)
Differential current protection	Type A Type B (optional)	Type A Type B (optional)

Output

Efficiency (%)	> 95	> 95
Maximum charging current (A)	1× 750	1× 750 (2× 600)
Output voltage range (V)	150–1,000	150–1,000

Communication

Charging mode	IEC61851-1, IEC 61851-23, IEC 61851-24, ISO 15118, DIN 70121	IEC61851-1, IEC 61851-23, IEC 61851-24, ISO 15118, DIN 70121
Protocol	OCPP1.6-J, OCPP 2.0.1	OCPP1.6-J, OCPP 2.0.1

General

Housing	Galvanised steel	Steel with galvanised surface
Degree of protection	IP 54, IK 10	IP 54, IK 10
Overall dimensions (H × W × D, mm)	2,300 × 1,000 × 1,050	2,300 × 1,000 × 1,050
Weight (kg)	~1,300	~1,300
Noise level (dB)	< 65 (at a distance of 1 m)	< 65 (at a distance of 1 m)
Range operating temperatures (°C)	-35 až +55, 40 options for limiting output power	-35 až +55, 40 options for limiting output power
Operating altitude (m above sea level)	≤ 2,000	≤ 2,000
Compliance standards	CE, LVD 2014/35/UE EMC 2014/30/UE RED 2014/53/UE	CE, LVD 2014/35/UE EMC 2014/30/UE RED 2014/53/UE

Axon Side 400

User equipment

Configuration	1 × satellite	2 × satellite
Power supply	400 kW	1 × 400 (2 × 200) W

Connectors

DC connectors	1 × CCS (satellite)	2 × CCS (satellite)
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Housing

Colour	DB 703	DB 703
RAL colour (Other)	Option	Option
Branding	Option	Option
Anti-graffiti coating	Option	Option

Interface

Display	Depending on the satellite model	Depending on the satellite model
RFID card reader	Depending on the satellite model	Depending on the satellite model
Signal column	Depending on the satellite model	Depending on the satellite model

Metres

In accordance with Eichrecht	Depending on the satellite model	Depending on the satellite model
MID	Depending on the satellite model	Depending on the satellite model

Payment system

PAX IM 30 - CCV	Depending on the satellite model	Depending on the satellite model
PAX IM 30 - eService	Depending on the satellite model	Depending on the satellite model
Payter Apollo - Cloud Solutions	Depending on the satellite model	Depending on the satellite model
Valina - Worldline	Depending on the satellite model	Depending on the satellite model

Communication

Data transfer	GSM (LTE) EEP GSM (LTE) Client Optical fibre	GSM (LTE) EEP GSM (LTE) Client Optical fibre
Catalogue code	AXS - S1C2-0211D703	AXS - 01017100XXX0