

POWER UNITS

→ AXON EASY S 180

→ AXON SIDE 180

→ AXON SIDE 350

→ AXON SIDE 400

Power Units provide ultrafast high-power (DC) charging. The units are a ready-made concept for connecting satellites or pantographs and creating and expanding charging hubs. They support all electric vehicles. They are suitable for integration with all charging service providers.

AXON EASY S 180



Power Unit for high-power direct current (DC) fast charging. The device is a ready-made concept for connecting satellites or pantographs as well as creating and expanding charging hubs. Supports a wide range of electric vehicles. It is designed to integrate with all charging service providers.

- Expressways
- Parking lots
- Petrol stations
- Logistics parks
- Rest areas
- Commercial spaces
- Charging hubs

Power	180 kW
Device type	Power Unit
Power class	Fast Charging for High Power Charging - depending on the satellite
Number of outputs	x3
Voltage range	150-1000 V
Max. charging current	250 A
Hub charging variants	Satellites - Sat Ekoen, Sat Box, Sat One + Pantograph - Link One
Plug & Charge	ready

AXON EASY S 180

- For wall / facade mounting
- Housing resistant to vandalism and temperatures between -25°C and +55 °C
- High efficiency of the ventilation system while maintaining low noise emissions < 60 dBA
- Service access on three sides of the charger
- Remote access, diagnostics and software updates



SAT ONE +

- CCS connector (7 m)
- ← Operation via an intuitive 7" display with RFID
- ↔ Communication with Power Unit (Ethernet)
- ↔ Housing resistant to vandalism and temperatures between -25°C and +55 °C
- Signal column

SAT BOX

- CCS connector (9.5 m)
- Cable reel (optional)
- Mounting pole (optional)
- Signal column (optional)

POWER SPLIT

3 x 60 kW
or 1 x 180 kW

- Stationary housing version
- Compatibility with vehicles
- Charging up to 3 vehicles simultaneously
- 3 charging points

AXON EASY S 180

Technical specifications

Configuration		3 x CCS
Power	180 (3x60)	[kW]
Input		
Power supply [V / Hz]	AC, 3x400 / 50	
Connection power [kVA]	198	
Connection to mains	Cable connector in TNS system	
Power factor	> 0,98	
Output		
Efficiency [%]	> 94	
Maximum charging current [A]	3x250	
Output voltage range [V]	150 - 1000	
Communication		
Charging mode	IEC 61851-1 IEC 61851-23 IEC 61851-24 ISO 15118 DIN 70121	
Protocol	OCPP 1.6-J OCPP 2.0.1	
General		
Housing	Steel with galvanised coating	
Protection rating	IP 54 IK 10	
Overall dimensions [H x W x D]	2000 x 750 x 980	
Weight [Kg]	~550	
Noise [dBA]	< 60	
Operating temperature range [°C]	- 25 - +55 > 40 possible output power limitation	
Operating altitude [m.a.s.l.]	≤ 2000	
Compliance with standards	CE LVD 2014/35/UE EMC 2014/30/UE RED 2014/53/UE	

AXON EASY S 180

Equipment

Configuration		3 x CCS
Power	180 (3x60)	[kW]
Connectors		
DC Connectors	3 x CCS (satellite)	
Housing		
Colour	RAL 9016	
RAL Colour (Other)	Option	
Additional branding	Option	
Anti-graffiti	Option	
Interface		
Display	Depending on satellite model	
Emergency button	Depending on satellite model	
RFID card reader	Depending on satellite model	
Signal column	Depending on satellite model	
Meters		
Output energy meter	Depending on satellite model	
Input energy meter	✓	
Eichrecht compliant	Depending on satellite model	
Payment system		
CCV	Depending on satellite model	
Payter	Depending on satellite model	
Polskie eplatności	Depending on satellite model	
Communication		
Data transfer	GSM (LTE) EEP GSM (LTE) Client Ethernet	
Catalog code	AXY -B8E0X0000H -9016	

AXON SIDE 180



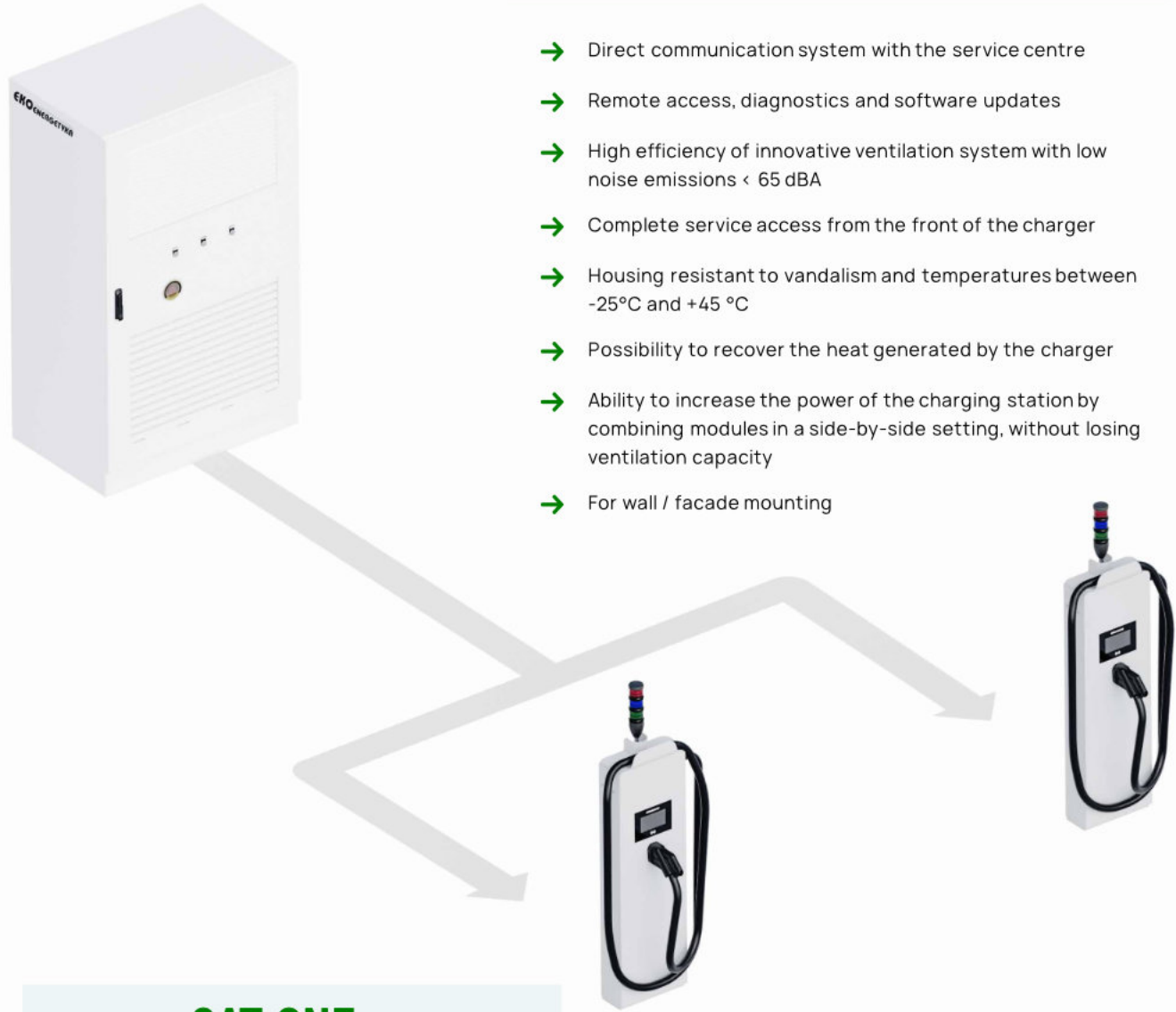
Power Unit for high-power direct current (DC) fast charging. The device is a ready-made concept for connecting satellites or pantographs as well as creating and expanding charging hubs. Suitable for heavier electric vehicles. It is designed to integrate with all charging service providers.

Power	180 kW
Device type	Power Unit
Power class	Fast Charging for High Power Charging - depending on the satellite
Number of outputs	x2
Voltage range	150-1000 V
Max. charging current	250 A (up to 500)
Hub charging variants	Satellites - Sat Ekoen, Sat Box, Sat One + Pantograph - Link One
Plug & Charge	ready

- Expressways
- Charging hubs
- Petrol stations
- Commercial fleet parking lots
- Logistics parks
- Bus depots

AXON SIDE 180

- Direct communication system with the service centre
- Remote access, diagnostics and software updates
- High efficiency of innovative ventilation system with low noise emissions < 65 dBA
- Complete service access from the front of the charger
- Housing resistant to vandalism and temperatures between -25°C and +45 °C
- Possibility to recover the heat generated by the charger
- Ability to increase the power of the charging station by combining modules in a side-by-side setting, without losing ventilation capacity
- For wall / facade mounting



SAT ONE +

- CCS connector (7 m)
- Operation via an intuitive 7" display with RFID
- Stack light
- Communication with Power Unit (Ethernet)
- Housing resistant to vandalism and temperatures between -25°C and +45 °C

POWER SPLIT

1 x 180 kW

2 x 90 kW

- Stationary version of the housing
- HUB creation & expansion
- 2 charging points

AXON SIDE 180

Technical specifications

Configuration	1xCCS	2xCCS
Power	180	[kW]
Input		
Power supply [V / Hz]	AC, 3x400 / 50	
Connection power [kVA]	198	
Connection to mains	Cable connector in TNS system	
Power factor	> 0,98	
Output		
Efficiency [%]	> 94	
Maximum charging current [A]	250 (up to 500)	
Output voltage range [V]	150 - 1000	
Communication		
Charging mode	IEC 61851-1 IEC 61851-23 IEC 61851-24 ISO 15118 DIN 70121	
Protocol	OCPP 1.6-J OCPP 2.0.1	
General		
Housing	Steel with galvanised coating	
Protection rating	IP 54 IK 10	
Overall dimensions [H x W x D]	2000 x 1170 x 800	
Weight [Kg]	~700	
Noise [dBA]	< 65	
Operating temperature range [°C]	- 25 - +45 > 40 possible output power limitation	
Operating altitude [m.a.s.l.]	≤2000	
Compliance with standards	CE LVD 2014/35/UE EMC 2014/30/UE RED 2014/53/UE	



AXON SIDE 180

Equipment

Configuration	1xCCS	2 x CCS
Power	180	[kW]
Connectors		
DC Connectors	1xCCS (satellite)	2xCCS (satellite)
Housing		
Colour	RAL 9016	
RAL Colour (Other)	Option	
Additional branding	Option	
Anti-graffiti	Option	
Interface		
Display	Depending on satellite model	
Emergency button	✓	
RFID card reader	Depending on satellite model	
Signal column	Depending on satellite model	
Meters		
Output energy meter	Depending on satellite model	
Input energy meter	✓	
Eichrecht compliant	Depending on satellite model	
Payment system		
CCV	Depending on satellite model	
Payter	Depending on satellite model	
Polskie eplatoŃci	Depending on satellite model	
Communication		
Data transfer	GSM (LTE) EEP Ethernet	
Catalog code	AXS -B8D0X0000F -9016	

AXON SIDE 350



Power Unit providing high-speed, high-power direct current (DC) charging. The unit is a ready-made concept for connecting satellites or pantographs and creating and expanding charging hubs. It supports a full range of electric vehicles. It is suitable for integration with all charging service providers.

Power	350 kW
Device type	Power Unit
Power class	Fast Charging to High Power Charging - depending on the satellite
Number of outputs	x1
Voltage range	150-1000 V
Max. charging current	500 A
Hub charging variants	Satellites - Sat Ekoen, Sat Box, Sat One + Pantograph - Link One
Axon Side 350 SET	Power Unit additional necessary equipment: Control Unit
Plug & Charge	ready

- Expressways
- Charging hubs
- Petrol stations
- Commercial fleet parking lots
- Logistics parks
- Bus depots

AXON SIDE 350

- Mountable against the facade wall
- Three side service access
- Remote access, diagnostics and software updates
- High performance ventilation system with low noise emissions < 70 dBA
- Vandal proof housing inert to weather conditions -35 +55°C



SAT ONE +

- CCS connector (7m)
- Operates via intuitive 7" display with RFID
- Signal column
- Communication with Power Unit (Ethernet)
- Vandal proof housing inert to weather conditions -25 +55°C



- high power
- compatibility with vehicles
- Stationary housing version

AXON SIDE 350

Technical specifications

Configuration		1xCCS
Power	350	[kW]
Input		
Power supply [V / Hz]	AC, 3x400 / 50	
Connection power [kVA]	385	
Connection to mains	Cable connector in TNS system	
Power factor	> 0,98	
Output		
Efficiency [%]	> 94	
Maximum charging current [A]	500	
Output voltage range [V]	150 - 1000	
Communication		
Charging mode	IEC 61851-1 IEC 61851-23 IEC 61851-24 ISO 15118 DIN 70121	
Protocol	OCPP 1.6-J OCPP 2.0.1	
General		
Housing	Steel with galvanised coating	
Protection rating	IP 54 IK 10	
Overall dimensions [H x W x D]	2300 x 1000 x 1050	
Weight [Kg]	~880	
Noise [dBA]	< 70 (at the distance of 1m)	
Operating temperature range [°C]	- 35 - +55 > 40 possible output power limitation	
Operating altitude [m.a.s.l.]	≤ 2000	
Compliance with standards	CE LVD 2014/35/UE EMC 2014/30/UE RED 2014/53/UE	

AXON SIDE 350

Equipment







Configuration		1xCCS
Power	350	[kW]
Connectors		
DC Connectors	1xCCS (satellite)	
Housing		
Colour	RAL 9016	
RAL Colour (Other)	Option	
Additional branding	Option	
Anti-graffiti	Option	
Interface		
Display	Depending on satellite model	
Emergency button	✓	
RFID card reader	Depending on satellite model	
Signal column	Depending on satellite model	
Meters		
Output energy meter	Depending on satellite model	
Input energy meter	✓	
Eichrecht compliant	Depending on satellite model	
Payment system		
CCV	Depending on satellite model	
Payter	Depending on satellite model	
Polskie eplatości	Depending on satellite model	
Communication		
Data transfer	GSM (LTE) EEP GSM (LTE) Client Ethernet	
Axon Side 350 SET (neccesary additional equipment)		
For satellite connection & Hub expansion	Control Unit	
Catalog code	AXS -D8C0X0000H -9016	

AXON SIDE 400



Power Unit providing high-speed, high-power direct current (DC) charging. The unit is a ready-made concept for connecting satellites or pantographs and creating and expanding charging hubs. It supports a full range of electric vehicles. It is suitable for integration with all charging service providers.

Power	400 kW
Device type	Power Unit
Power class	High Power Charging
Number of outputs	1 x CCS (satellite) 2 x CCS (satellites)
Voltage range	150-1000 V
Max. charging current	1 x 750 A 2 x 700 A
Hub charging variants	SAT 600 HPC
Axon Side 400 SET	Power Unit: additional necessary equipment - Control Unit
Plug & Charge	ready
Eichrecht compliance	ready

-  Expressways
-  Charging hubs
-  Petrol stations
-  Commercial fleet parking lots
-  Logistics parks
-  Bus depots

AXON SIDE 400

- Two side service access
- Remote access, diagnostics and software updates
- High performance ventilation system while maintaining extremely low noise emissions < 65 dBA
- Vandal proof housing inert to weather conditions -35 +55°C
- Ability to increase the power of the charging station by combining modules in a side-by-side setting, without losing ventilation capacity



-  High Power Charging
-  HUB creation & expansion
-  Compatibility with vehicles
-  2 charging points

AXON SIDE 400

Technical specifications

Configuration	1xCCS	2xCCS	
Maximum charging power	400	400	[kW]
Input			
Power supply [V / Hz]	AC, 3x400 / 50		
Connection power [kVA]	435		
Connection to mains	Cable connector in TNS system		
Power factor	> 0,99 (inductive)		
Output			
Efficiency [%]	> 94		
Maximum charging current [A]	1 x 750	2 x 700	
Output voltage range [V]	150 - 1000		
Communication			
Charging mode	IEC 61851-1 IEC 61851-23 IEC 61851-24 ISO 15118 DIN 70121		
Protocol	OCPP 1.6-J OCPP 2.0.1		
General			
Housing	Steel with galvanised coating		
Protection rating	IP 54 IK 10		
Overall dimensions [H x W x D]	2300 x 1000 x 1000		
Weight [Kg]	~1300		
Noise [dBA]	< 65 (at the distance of 0,5m)		
Operating temperature range [°C]	-35 - +55 > 40 possible output power limitation		
Operating altitude [m.a.s.l.]	≤ 2000		
Compliance with standards	CE LVD 2014/35/UE EMC 2014/30/UE RED 2014/53/UE		

AXON SIDE 400

Equipment

Configuration	1xCCS	2xCCS	
Maximum charging power	400	400	[kW]
Connectors			
DC Connectors	1xCCS (satellite)	2xCCS (satellite)	
Housing			
Colour	RAL 9016		
RAL Colour (Other)	Option		
Additional branding	Option		
Anti-graffiti	Option		
Interface			
Display	Depending on satellite model		
RFID card reader	Depending on satellite model		
Signal column	Depending on satellite model		
Meters			
Output energy meter	Depending on satellite model		
Input energy meter	✓		
Eichrecht compliant	✓		
Payment system			
CCV	Depending on satellite model		
Payter	Depending on satellite model		
Polskie ePłatności	Depending on satellite model		
Communication			
Data transfer	GSM (LTE) EEP GSM (LTE) Client Ethernet		
Catalog code	AXS -E3D0X0000H -9016		