AXON CHARGER

by EKOENERGETYKA

AXON SAT HPC

Maximum Power. High-Current Charging for Heavy-Duty.

High-current satellite charging with centralised power units — enabling ultra-fast energy delivery and maximum throughput in demanding hub and transport environments.

- Up to 600 A charging current
- Liquid cooled cable technology
- Designed for hub and heavy-duty charging

Split architecture	Satellite unit
Connectors	CCS HPC
Max.charging current	500 A (up to 600 A)
Voltage range	150–1000 V

Where
Axon SAT HPC works best

- Bus and heavy-duty vehicle sites
- Fleet & logistics depots
- High-density charging hubs
- Urban & commercial locations

Why
Axon SAT HPC

- Ultra-fast charging performance for high-throughput sites
- Reduced infrastructure cost through split architecture
- Designed for heavy-duty and continuous operation
- Reliable communication in distributed systems and outdoor conditions
- Flexible configuration for different hub layouts

AXON®
CHARGER

Configurable to your business model

- MID / Eichrecht compliant metering
- Payment terminals (multiple providers)
- Branding options and display configuration
- Radar sensor

Split architecture in practice

Satellite units deliver high-current charging directly at the vehicle, while central power units handle conversion and load distribution.

This approach enables ultra-fast charging across multiple points using shared infrastructure — reducing grid requirements while maximising throughput.

Core capabilities

Performance

- Up to 600 A charging current
- CCS HPC connector technology
- Designed for passenger and heavy-duty EV charging

Efficiency & Grid

- Optimised power distribution via centralised architecture
- Reduced grid load through shared power infrastructure
- No need to oversize power per charging point

User Experience

- Ergonomic HPC connector
- Clear charging status indication (360° visibility)
- Optional display and branding options

Operations & Integration

- OCPP 1.6J / 2.0.1
- ISO 15118 readiness
- Remote diagnostics & updates
- Optical fiber communication

Powering site profitability

Lower infrastructure investment

Reduce cost per charging point by centralising power conversion and deploying high-performance satellite units

Higher utilisation

Serve more vehicles in less time with ultra-fast high-current charging

Faster ROI

Shorter charging sessions increase turnover in high-demand locations

Scalable expansion

Add new charging points without duplicating power electronics