AXON®
CHARGER

by EKOENERGETYKA

AXON SAT MCS

Megawatt Charging. Maximum Current for Heavy Transport.

Megawatt-class satellite charging with centralised power units — enabling ultra-high current delivery for next-generation heavy-duty infrastructure.

- Up to 1500 A charging current
- MCS-ready architecture
- Designed for heavy-duty and megawatt charging

Split architecture	Satellite unit
Connectors	MCS, MCS/ CCS HPC
Max.charging current	1500 A – HPC 600 A – CCS HPC
Voltage range	150–1000 V

Where
Axon SAT MCS works best

- Long-haul truck corridors
- Fleet & logistics depots
- Industrial sites
- Next-gen charging hubs

Why
Axon SAT MCS

- Designed for megawatt-class heavy-duty charging
- Future-ready for evolving vehicle standards
- Flexible multi-vehicle configuration within one hub
- Reliable operation in industrial environments
- Supports scalable and revenue-generating deployments

AXON®
CHARGER

Configurable to your business model

- Connector options: MCS, CCS HPC
- Cable lengths: 3–4.5 m
- MID / Eichrecht compliant metering
- Payment terminals (multiple providers)
- Branding options and display configuration

Split architecture in practice

Satellite units deliver megawatt-class charging directly at the vehicle, while central power units manage conversion and load distribution.

This enables efficient operation of multi-satellite hubs — dynamically utilising available power and supporting multiple vehicles within a shared high-power infrastructure.

Core capabilities

Performance

- Up to 1500 A charging current
- MCS connector support
- Optional mixed MCS / CCS HPC configurations

Efficiency & Grid

- Optimised power distribution via centralised megawatt architecture
- Full utilisation of available station power potential
- Reduced grid requirements through shared infrastructure

User Experience

- Ergonomic heavy-duty connector handling
- Clear charging status indication (360° visibility)
- Optimised for truck access and manoeuvrability

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 megawatt-scale power conversion

Higher utilisation

Serve high-energy vehicles efficiently with ultra-high current charging

Faster ROI

Short charging windows increase throughput in logistics and transport corridors

Scalable expansion

Expand megawatt hubs without duplicating power electronics