



# AXON SIDE DLBS

**Smart Power.  
Flexible Architecture.  
Maximum Hub Performance.**

Centralised high-power unit with Dynamic Load Balancing – designed to supply multiple charging points and build scalable hybrid charging hubs.



Up to 480 kW DC



Up to 6 dynamic outputs

**DLBS**

DLBS standard



Multi-unit scalable architecture (480–1920 kW)

Power

480 kW

Architecture

Power unit

Outputs

up to 6

Build your  
charging hub

480 kW – compact sites  
960 kW – mixed traffic hubs  
1920 kW – high-capacity  
transport hubs

## Where

**Axon Side DLBS works best**



Multi-satellite hubs



Fleet & depot operations



Logistics & distribution centres



Mixed-use public & heavy-duty sites

## Why

**Axon Side DLBS**

- Maximises utilisation of installed grid capacity
- Reduces infrastructure duplication across charging points
- Enables scalable multi-satellite hub architecture
- Compatible with full Axon satellite ecosystem
- Supports hybrid EV and heavy-duty charging within one shared infrastructure





Central power unit architecture

Integrated power electronics

Advanced communication interfaces

Robust outdoor housing

## Configurable to your business model

- Selectable RCD types (A/B)
- Flexible communication options (optical fiber, ethernet)
- Branding options (Mini, Midi, Maxi)

## Dynamic Load Balancing in practice

The system distributes available power across all connected charging points in real time — ensuring optimal utilisation of installed grid capacity. Multiple units operate as one coordinated system, dynamically distributing power across vehicles and charging points within the entire hub.



Instead of assigning fixed power per charger, multiple vehicles share available energy dynamically — maximising throughput while reducing infrastructure cost.

## Core capabilities



### Performance

- Up to 480 kW DC power
- Up to 6 outputs
- Up to 500 A per output
- 150–1000 V operating range



### Efficiency & Grid

- Up to 96.5% efficiency
- Dynamic Load Balancing (DLBS)
- Active and passive reactive power compensation
- Multi-unit power consolidation (480–1920 kW systems)



### User Experience

- Seamless operation across multiple charging points
- Stable power delivery under varying load conditions
- Multi-vehicle charging capability



### Operations & Integration

- OCPP 1.6J / 2.0.1
- IEC and ISO compliant
- Remote diagnostics and updates
- Optical fiber / Ethernet

## Powering site profitability



### Lower infrastructure investment

Reduce cost by centralising power conversion and eliminating duplication across charging points



### Higher utilisation

Distribute available power dynamically across multiple vehicles and charging sessions



### Faster ROI

Increase throughput per installed power unit in high-demand locations



### High-power hub scalability

Combine multiple units (480 / 960 / 1920 kW) to match site demand and growth