Capacity Optimizer

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Intelligent Site Optimization for Fast EV Chargers

The Capacity Optimizer is a high-performance site optimization system for fast charging installations. It optimizes real-time power distribution across multiple chargers, prevents grid overloads, and maximizes infrastructure utilization. Ideal for fast charging sites with limited or shared grid capacity.

Key Features

Grid Capacity Protection – Continuously enforces site power limits
Offline Operation – Local installation for robust operation
Real-Time Load Balancing – Dynamic distribution across chargers
Peak Shaving – Reduce tariff based costs
Expandable & Scalable – Supports small to large charging sites
Remote Management* – Secure dashboard access via cloud
Firmware Updatable* – Over-the-air updates available

* 1 year remote access and upgrades included

- **Fleet charging depots with simultaneous high-demand vehicles**
- **Public EV hubs needing load prioritization at peak hours**
- **Sites with constrained grid capacity or delayed grid upgrades**
- **Sites co-located with PV/BESS requiring coordinated power usage**

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Technical Specifications

Charger Interface – Modbus TCP / RTU
Grid Monitoring – External Modbus/Mbus power meter
Power Supply – 9 - 30 V DC
Installation – DIN rail
Operating Temperature – -20°C to +60°C
Certifications – CE, RoHS, RED, EMC compliant

Recommended Power Meters

- **ABB B23/24**
- **ArcTeq**
- **IME Nemo**
- **Bender**
- **Garo GNM 3D**
- **Janitza**

Supported Chargers

New chargers are added continuously

- **ABB**
- **Alpitronic**
- **EVBox**
- **Kempower**
- **Siemens**
- **Sinexcel**

Monitoring & Configuration App

Contact us

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