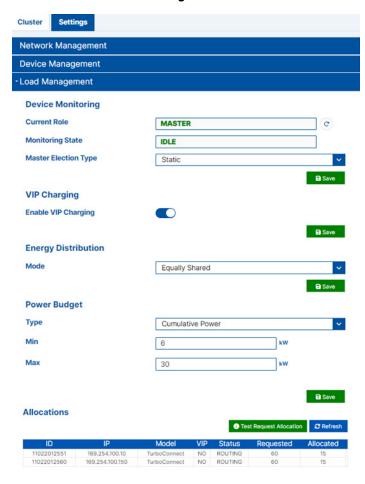# Smart Charging
Local Load Management
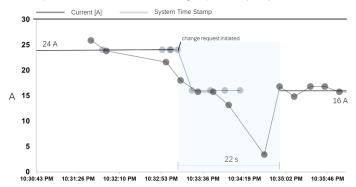
Webasto Local Load Management Dashboard

Smart Local Load Management Solution

Time to reach new load equilibrium depends on the amount of EVSE in the cluster and EV characteristics

Equilibrium is reached ca. 20s after load change request is accepted by the local server

It takes less than 30s to reach new load distribution between two chargers

Webasto Local Load Management Key Features

Load balancing for up to 32 chargers
- Local controller plus 31 satellite chargers

Provides dynamic and static load management
- Supports equal share and priority charging algorithms
- Response time to start new charging session/modify existing charging profiles: TBD

Supports OCPP 1.6J protocol
- Works offline in the event of CSMS connectivity issues
- Supports OCPP1.6J compliant satellite chargers
- Monitors OCPP messages relevant to charging limits and sets new limits if required

Fault tolerant solution with no single point of failure
- Time for a satellite charger to assume the roll of a local controller: TDB

Built-in web-based management
- Minimal configuration required
- Easy to manage groups of chargers
- Allows control of charger's configuration and charge profiles according to on-site energy availability

Energy Meter Connectivity
- Modbus TCP and RTU connection

No additional hardware or software required

EVSolutions