

Three levels of load balancing

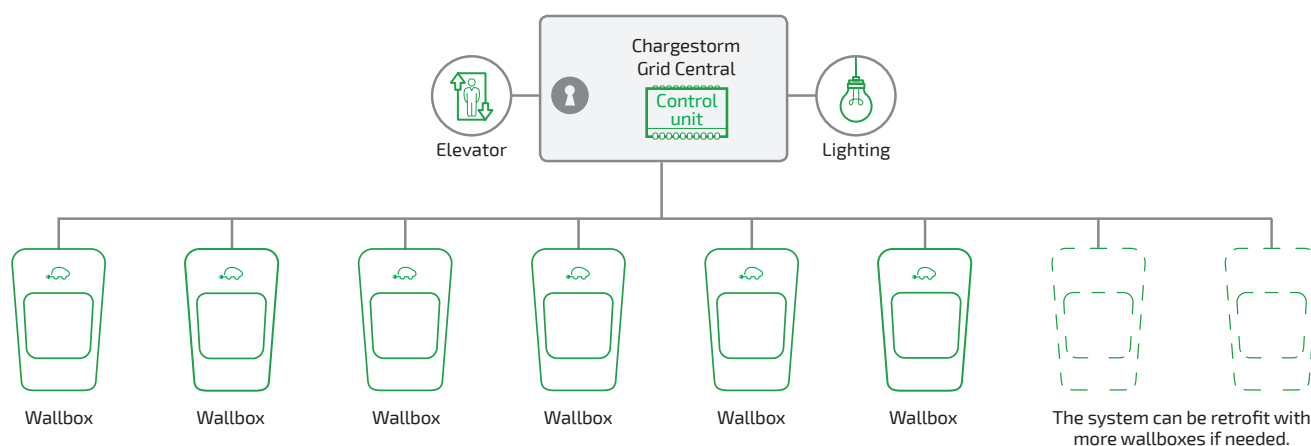


We call our load balancing for NanoGrid™. It's a smart power solution for grid overload protection. With our system, electric car charging will never exceed the property's main fuse.

- Chargestorm Grid Central
- Load balancing between several devices
- Load balancing at home

Chargestorm Grid Central

Manage wallboxes and external loads in real estate



Chargestorm Grid Central

Is a long-term investment that enables reliable and carefree electric car charging. Grid Central is a separate device that contains all load balancing technologies. This box manages charging stations and also external loads such as lighting, ventilation, elevator and more.

With our unique load balancing system, important electrical equipment in the parking environment can be prioritized and the power grid is protected from overload.

Why Chargestorm Grid Central?

When several electric cars are charging simultaneously, overload in the mains can occur. In some cases, the

fuses will trip. With Chargestorm Grid Central, a costly redevelopment of existing power grids is avoided.

Easy to install in the property

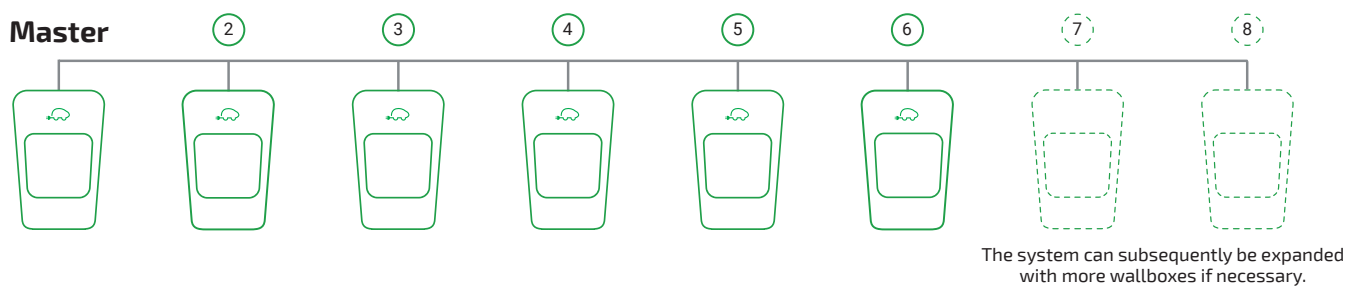
The system measures the service that enters the property and controls the power outlets in the charging stations. The size of the main fuse is fed against the grid control board. This is all our system needs to ensure the stability of the property network.

Authorized electrician

To install charging stations as well as Chargestorm Grid Central, a qualified and trained electrician is required.

Load balancing - between several devices

Locally in an installation from a Master device



Load balancing between several devices

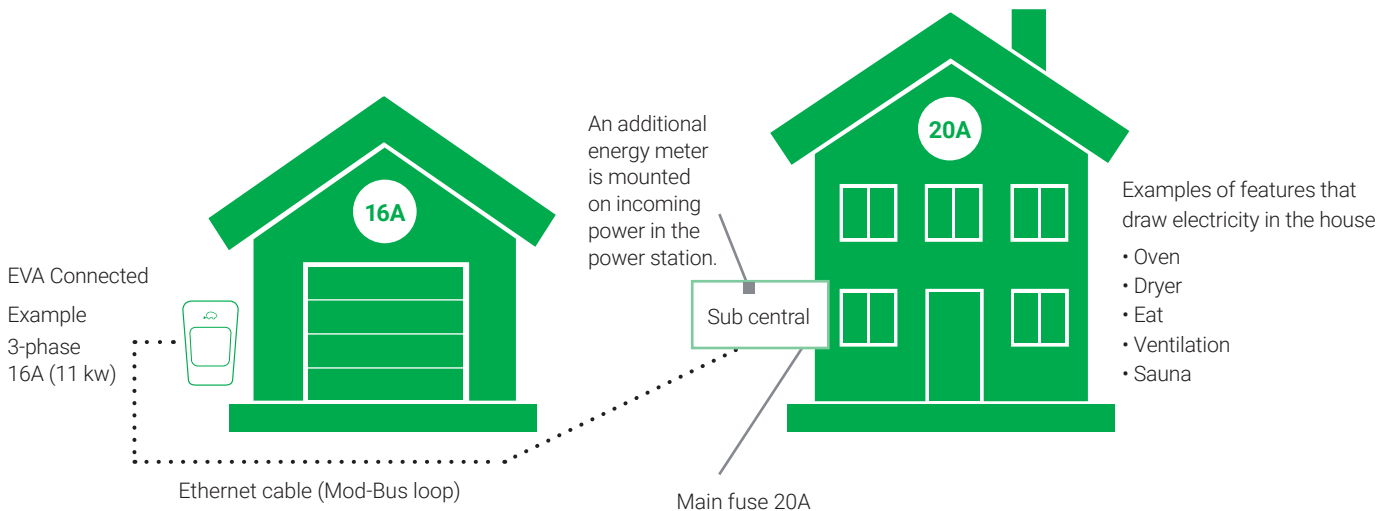
When several electric cars charge at the same time, load balancing can be required to avoid overload. In case of overload, the system automatically adjusts the power of the charging stations or alternatively turns off them completely. With load balancing enabled, the electric car charge will be limited to the maximum allowable current. If the power is controlled, charging will take a little longer, but no fuse will trip.

Ethernet communication

The load balancing function is based on Ethernet communication between the wallboxes. To each device, power and Ethernet cable is connected at the time of installation. The stations are connected in a common switch. The system does not need to be connected to the internet to work, local communication between the devices is sufficient for full functionality.

Load balancing at home

Protects the main fuse during electric car charging



Load balancing at home

With our load balancing for your home to EVA Connected, you not have to worry that the main fuse will trip. The power of the charger will automatically be set at no risk for overload.

With the EVA Connected model, you can make an option with a load balancing feature at home. The solution means that an additional energy meter is mounted on incoming feed. This energy meter is wired to the charging station's control board.

When the load balancing is activated, it automatically works and the car's charge is adjusted and optimized all the time, depending on how much power the house draws.

Our load balancing solution protects your home's power grid from overload while providing efficient charging.