



Smart Charging Network

Optimal charging and cost management with a local smart charging network

The Smart Charging Network (SCN) from Alfen is the most advanced charging station technology on the market. It operates as a social charging network, without masters and slaves. All charging stations align their charging speed among each other. While configured and functioning as a group, the charging stations remain individually approachable and controllable. This way you remain in control over the network. With the Smart Charging Network, the available power capacity is evenly distributed among the users. A vehicle is fully charged? The other connected vehicles will automatically be supplied with more power.

Maximum availability

Thanks to Alfen's smart technology, the Smart Charging Network provides a self-sustaining network. The network knows how many charging points are connected. All charging stations can detect a malfunction of communication in one of the other charging stations. The released power supply will consequently be redistributed. The disconnected power station will continue at safe charging speed.



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Settings:

- a) Maximum available capacity
- b) Maximum charging speed
- c) Minimum desired charging speed (safety mode)
- d) Switching in the event of a capacity insufficiency



The Smart Charging Network



Affordable innovation

No need for expensive equipment or a Master, a simple switch suffices, or use an existing network router. Save yourself a grid upgrade thanks to the cost efficient solutions by Alfen Charging Equipment.



Social charging network

Only smart charging stations, no masters or slaves. That is Alfen's principle of the Smart Charging Network. All Alfen charging stations are equal and cooperate to use the available capacity optimally.



Safety at group level

Supports single and double Alfen charging stations: model Eve Single, Eve Double Pro-line and Twin*. The charging stations are connected to the installation to ensure maximum power supply. The SCN prevents the installation from overloading.



Free choice of back office subscriptions

Easy to combine with a back office (subscription) of your choice. All Alfen charging stations are unlocked, also in a SCN you can choose the supplier that best fits your needs, even per charging station.



Optimal charging with the available power supply

The available power is monitored and distributed optimally over the number of active users. This way, vehicles that are being charged simultaneously are supplied with a maximum amount of power.



Simple configuration

Easily expandable and configurable thanks to the automatic network configuration. Add a new charging station to the group. All of the already connected charging stations will recognise this addition and adapt immediately.

*) For the Twin, the charging station needs to contain additional hardware to implement the SCN, because of its separate installation. For more information, consult your account manager, or get in touch with Sales support.

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