sun2wheel®
charge and discharge

V2X-controller

Energy management specialised in mobile and stationary storage

The V2X-controller enables electric cars to be charged with locally produced solar power and intelligently combines stationary storage as well as storage in electric cars (mobile storage) with our bidirectional charging stations two-way-10 to increase self-sufficiency at the same time. For property managers or larger company fleets, the V2X-controller avoids expensive peaks and also prevents the connected load from being exceeded if too many electric cars want to charge at the same time. Here, too, stationary and mobile storage units are combined in e-cars to enable fast charging even if the connected load is low.

The V2X-controller can control any number of charging stations. It does not matter whether it is a fast charging station (one-way-guest) for commercial use, a home charging station (one-way or two-way) or even a storage unit (accu) from sun2wheel.

- Stepless scalability
- Grid load reduction
- Battery integration
- Load management
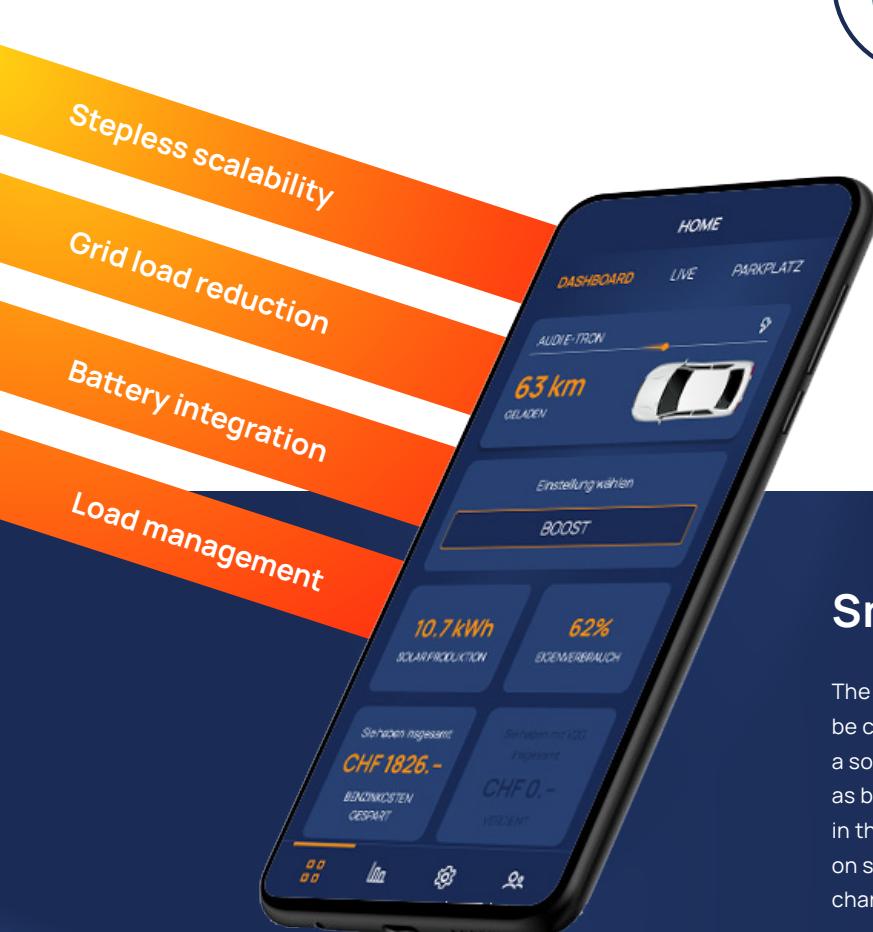
Smart control

The V2X-controller is a software application with which energy can be controlled locally and intelligently. For example, surpluses from a solar power system are distributed to dynamic participants such as bidirectional electric vehicles or stationary batteries and, in the event of supply gaps, are called up again for consumption on site. The solution is already pre-installed on every sun2wheel charger and can be easily put into operation.

Simple installation, modular expandability

The smallest component of a sun2wheel system is one of our charging stations or an accu-battery system. Any additional charging station or battery system can be seamlessly integrated into the sun2wheel system. Customers who want to gradually build up their charging infrastructure can thus expand the system as needed at any time.

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The sun2wheel app

The sun2wheel app brings electric mobility to life. All data on power generation, storage and consumption is presented clearly and comprehensibly.

The sun2wheel app enables easy control of the entire system as well as programming of individual preferences and usage profiles. Fleet managers, logisticians and energy managers can specify all settings for the charging stations via the app. Optionally, this can be overridden by employees.

Thanks to the targeted use of our mono- and bidirectional charging stations as well as our accu new and 2nd-use battery systems, the sun2wheel app enables the optimisation of energy costs for electric cars and buildings, especially in connection with a PV system.

The **sun2wheel** product family

combines solar energy, electromobility and the electricity grid

The complete system for the intelligent use of vehicle batteries as energy storage - resource-saving and incrementally expandable; Swiss cutting-edge technology for sustainability!

V2X-controller

All charging stations and rechargeable batteries are managed in a superordinate and intelligent way. The system can be expanded incrementally. The sun2wheel app makes the various functions controllable and tangible.
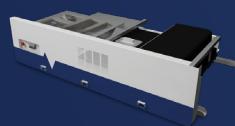
accu, accu-rack & accu-container

The accu second use battery system (can also be ordered brand new) can be used as a single battery as well as a rack and container system. Capacity of 24-620 kWh

two-way-10

With the bidirectional 10 kW DC charger you can easily supply your home or business with electricity from your electric vehicle.

one-way-guest-64

One-way 64 or two-way 32 kW DC, including dynamic load sharing, allow easy and fast charging of all electric cars

one-way-compact-11

This AC premium charger is available in an 11 kW version. Easy installation with CEE plug.