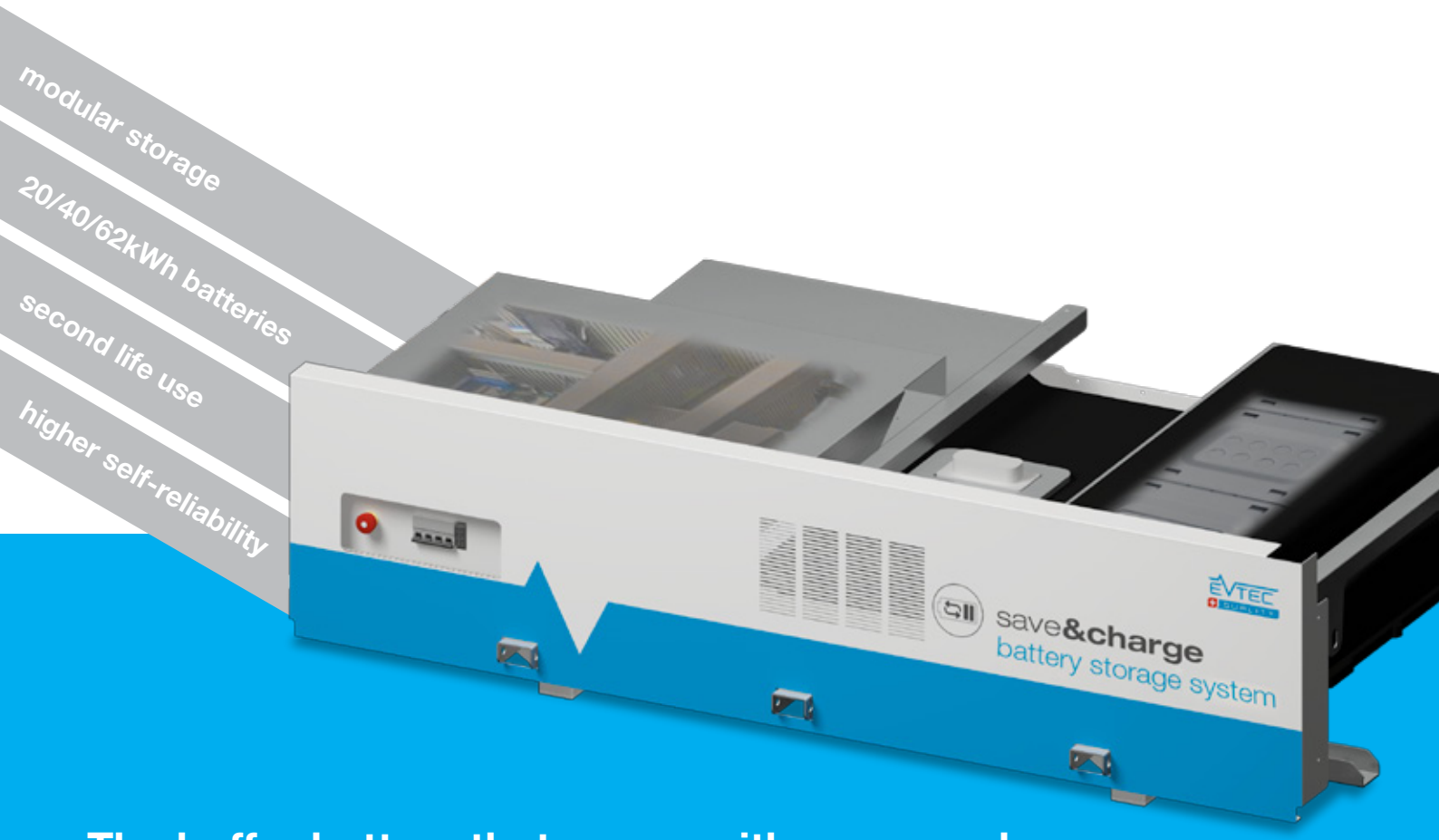
save&charge
battery storage system

Self-reliable energy

With a buffer battery it is easy to store your excess self-produced photovoltaic energy during the day. That raises your degree of autarchy, and optimizes your energy consumption. It also lowers energy cost, as with a higher level of use of the self-produced energy less grid-bought energy becomes neccessary. The system is useable indoors.

A scalable solution

The system is modularly expandable anytime. That is not limited to the number of batteries (or the capacities), or the charges and discharging power. Depending on the applications and needed power, it is easy to add unlimited capacity. The pre-configured rack system allows for the integration of up to four batteries in a dedicated enclosure.



The buffer battery that grows with your needs

save&charge allows quick and easy energy autarchy: store your solar energy during the day and draw it overnight from a stationary battery.

The system is flexible in its configurations: for every mode of use there are solutions scalable from 24, 40, and 62kWh batteries.

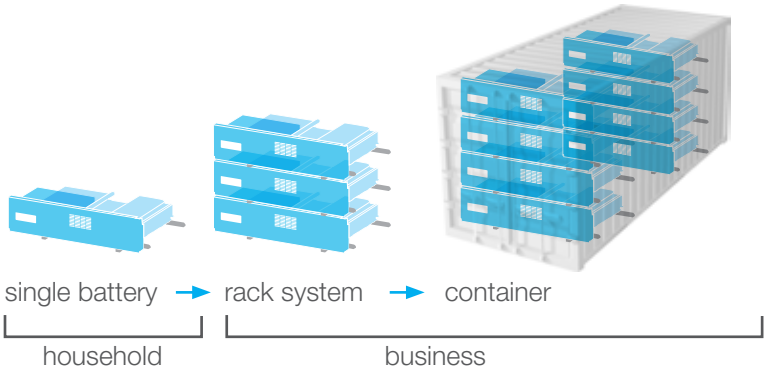
24kWh battery

40kWh battery

62kWh battery

Container-Integration

For a higher power demand multiple rack systems can be integrated in a TEU-Container.
The containers used have 10‘ length. Equipped with opening doors on either short side, they allow easy access of the battery racks while in operation, so batteries can be easily added or exchanged.
The battery container is made for outside use and also offers room for the electrical installation of the power supply of charging stations, electrical applications, or buildings.



Optionally we can fit the traction battery from your EV.

Technische Daten		
Battery	Grid connection	3 x 400 VAC
	Battery capacity (nominal)	24kWh, 40kWh, 62kWh
	Battery type	laminated lithium-ion battery
	Charge / discharge power per battery	10kW DC, optional 20kW DC
	Battery dimensions (W x H x D)	1800mm x 520mm x 1300mm
	Weight per battery	about 400kg
Container	Dimensions (LxBxH) Container	2991mm x 2438mm x 2591mm
	Weight Container	825kg
	Cooling	air cooled
	Operating temperatur	-20°C bis +45°C
Rack	Dimensions Rack (BxHxT, max. 4 Batterien)	2000mm x 1885mm x 1300mm
	Weight Rack	about 25kg

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- modular storage
- 20/40/62kWh batteries
- second life use
- higher self-reliability

If the power requirement is higher, we recommend the combination of second-life batteries with a maximum charging and discharging power of 20kW DC per battery.
If capacity is required, we recommend a combination of new batteries with a minimum charge and discharge power of 10kW DC per battery.

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EVTEC

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