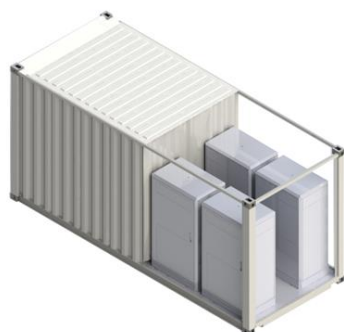


E-mobility EcoFlex eHouse

EcoFlex eHouse to provide energy storage and high-power charging



This solution provides power where needed, regardless of MV connection



Pre-assembled, pre-tested solution, pre-tested to minimize site works



Easy to ship, load and offload



Relocatable solution for temporary power needs

E-mobility EcoFlex eHouse with integrated energy storage and high-power chargers

The e-mobility EcoFlex eHouse solution, with integrated energy storage and charging cabinets, provides high-power charging where grid power is insufficient. Typical applications include connection to LV network, where the MV network is not available and the peak power demand isn't manageable, or for temporary installations. The ease of installation of a pre-wired solution drastically reduces site activities in terms of man-hours, excavation and civil works activities. The enclosure of the solution protects the energy storage system from the external environment. Cabling to charging posts can be easily connected to the junction box besides the HP cabinets.

Features of solution

- ISO dimensions for ease of transportation
- Lockable enclosure to prevent unauthorized entry
- Compact design to reduce footprint installation
- Plug-and-play
- Pre-tested at factory
- Relocatable
- Robust design

Equipment description

The EcoFlex eHouse houses a low voltage switchboard with protection devices, ie circuit breakers or fused disconnects, and integrated energy storage. A local energy management system to reduce peak demand is embedded in the control system.

Technical data

Key specifications	
Power	Up to 400 kW (20 ft)
Storage capacity	Up to 400 kWh (20 ft)
Number of power cabinets	Up to 4 (20 ft)
Rated voltage	400-480Vac
Protection degree	IP 54
Applicable standards	IEC, GB, AS, GOST, ANSI, CSA, and more

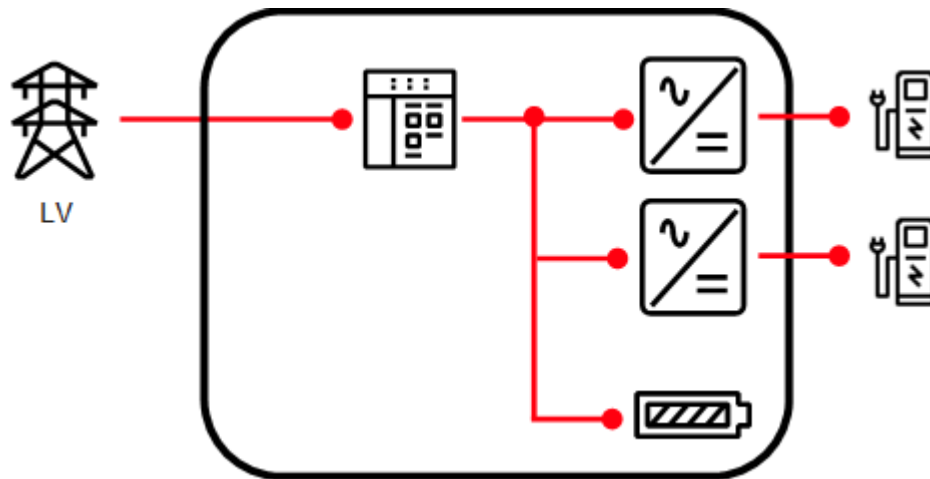
Optional equipment

- Seismic certifications
- HVAC
- Fire extinguishing system
- SCADA ready
- Remote monitoring
- Remote monitoring and control
- Combined junction box for charging posts
- Power management systems

Installation

- One-piece delivery factory assembled and tested
- Charging post connections needed at site
- Reduced site works
- Compact design for reduced footprint
- No heavy crane or special lifting devices needed

Single line diagram



E-mobility EcoFlex eHouse solution with integrated energy storage and high-power chargers