

# E-mobility EcoFlex eHouse

## EcoFlex eHouse for EV high power chargers



**Improved safety with type tested equipment, easy to install and operate**



**Easy to ship, load and offload**



**Pre-engineered and factory tested solutions ensures immediate operability, maximizes ROI**



**Modular concept to allow ease of scalability in power and capacity**

EcoFlex eHouse for EV high power chargers

The ABB EcoFlex eHouse for electric vehicle high power chargers is a factory assembled and factory tested solution to be connected to the grid to provide power to during EV charging.

EcoFlex ESM eHouse is a prefabricated and movable plug-and-play solution allowing for immediate operation after connection to the LV grid. The ease of installation of this pre-wired solution drastically reduces the site activities in terms of manhours, excavation and civil works activities.

Solution can be easily connected to other ABB EcoFlex products. Robust and modular design allows stacking different EcoFlex solutions on each other in limited site conditions.

### Solution features

- ISO dimensions for ease of transportation
- Compact design to reduce footprint installation
- Plug-and-play solution
- Pre-tested at factory
- Relocatable
- Robust design

### Equipment description

The EcoFlex eHouse houses electric vehicle high power charging cabinets, protection equipment inside separate low voltage compartment, internal power and control cabling, together with energy management system for monitoring and operation of chargers in connection with battery energy storage. EV high power charger charging posts can be installed into the same EcoFlex.

### Technical data

Key specifications	
Connection voltage	400-480 V
Number of EV charger power cabinets	From 2 to 8
Number of EV charging posts	Up to 4
Available power for EV charging	Up to 8 x 175 kW
Protection degree	IP 54 (for low voltage switchboard compartment)
Dimensions	6060 x 2440 x 2590 mm

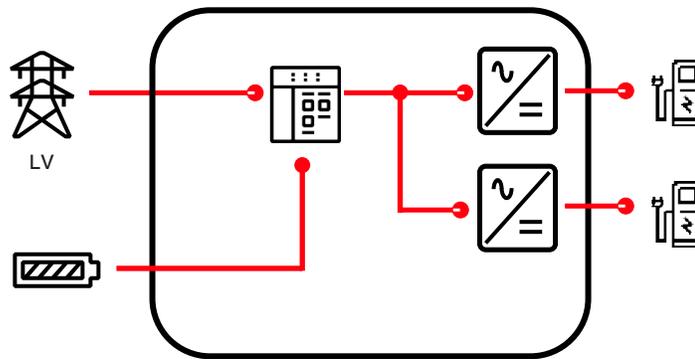
### Additional equipment

- Stationary or withdrawable charging posts
- Walls with ventilation louvres to increase protection class
- Seismic certifications
- Energy management system
- Remote monitoring
- MCCB protection for high power charging cabinets

### Installation

- One-piece delivery factory assembled and tested
- LV connection needed at site
- Reduced site works
- Compact design for reduced footprint
- Top lifting by crane
- Bottom lifting by forklift for ease relocation
- Plug-and-play concept

### Single line diagram



EcoFlex eHouse solution for EV high power chargers