SOLUTION SHEET

E-mobility high-power enclosure

UniSub with integrated high-power charging

E-mobility UniSub Terra HPC enclosure with integrated high-power chargers

Green solution: built with recyclable material to minimize environmental impact

Minimal visual impact

Reduces the high frequency noise of the power converters

Simple and quick installation, no need for baseframe

The E-mobility UniSub Terra HP is a type of housing that can accommodate from 2 to 8 high-power charging cabinets. It has been developed to provide an enclosure complying with aesthetical canons and regulations. The ease of installation drastically reduces the site activities in terms of man-hours, excavation and civil works activities. The enclosure of the CSS protects the high-power chargers from vandalism, while simultaneously introduces the technology in the network without visual environmental impact. Cabling to charging posts can be easily connected to the junction box besides the HP cabinets.

Features of solution

- Available in multiple enclosure material:
  - Steel for rural areas
  - Glass reinforced polyester (GRP) for harsh and challenging environmental conditions
- Lockable enclosure to prevent unauthorized entry
- Compact design to reduce footprint installation
- Fire tested according to ISO 834
- Flammability according to UL 94
- Toxicity according to EN 45545

Equipment description

The enclosure houses the high-power cabinets and LV auxiliary circuit. The enclosure presents wood cladding to reduce visual impact.

Technical data

Key specifications	
Number of power cabinets	Up to 8
Protection degree	IP21

Optional equipment

- Seismic certifications
- Lighting devices
- Grass roof
- Remote monitoring
- Remote monitoring and control
- Combined junction box for charging posts

Installation

- LV network and charging post connections needed at site
- Reduced site works
- Compact design for reduced footprint
- No heavy crane needed

Single line diagram

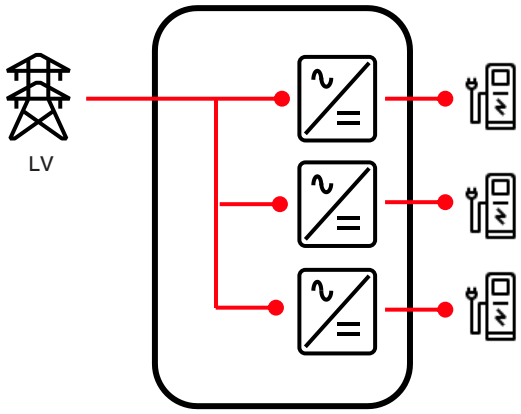

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ABB Ltd.

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