

Model: BCH-250-500

BESS & MOBILE EV CHARGER



Photo for reference only

Design Standards

BCH® is a new range of secure integrated Battery Energy storage system & Mobile EV Charger. This mobile and modular solution includes batteries, PCS, control system and EV charger; HVAC, fire protection and auxiliary components for option. It can be connected to external PV power station, AC generator and Grid power.

Its purpose is to facilitate efficient charging of larger electric vehicles and machinery in areas where adequate power is not available.

Benefits

- Integrated installation, convenient storage and transportation;
- High return on investment and short payback period;
- Simple operation and easy maintenance;
- Power and Capacity can be expanded, meet different user needs;
- Accept customer customization, suitable for various scenarios;

Warranty

Please refer to "BCH Product Warranty Manual";



General Information

Model	BCH-250-500
Rated Output Power@25°C	250kW
Rated Output Voltage	400V@50Hz,3ph.
Battery Storage Capacity	482.3kWh
Loading Dimension(L*W*H)	20'GP
Weight	13t
Operating Temperature Range	-25~50°C(> 45°C derating)
Max altitude	3000m(> 2000m derating)

Fits the practical application & guaranteed by high-quality manufacturing technology

INTELLIGENT PCS with EMS

EASY OPERATION ON ONE SCREEN



LiFePO₄ BATTERY
Long Life Design Up to
6000 cycles
High Quality Based on
Specification Consistency
of CELLS~!



FIRE PROTECTION
Quick Response <10s
Backup ups power



EV Charger
DC 120kW
2 x CCS2 200A

Battery

Cell Type	LFP(LiFePO ₄)
Pack Model	MF51314
Pack Capacity	16.1kWh
Pack Rated Voltage	51.2VDC
Cyclic Life	6000 (0.5C@90%DOD)
Charger/Discharge Current	157A(0.5C)
Battery Voltage of Rack	768VDC
Connection of Pack	15S2P

PCS

Rated Current (AC)	364A
Max. Output Power	300kW (1 minute)
Rated Output Power	250kW
Rated Voltage	400Vac

DC EV Charger

Connector Type	CCS2 200 A (Air Cooled) + 200 A (Air Cooled)
Connector Cable Length	5m
Charger Output Voltage	DC 200 ~ 1000 V
Max. Charger Output Current	Single Connector Only: 200 A (120 kW) Dual Connectors Simultaneous: 200 A (60 kW) + 200 A (60 kW)

AC EV Charger (Optional)

Connector Type	22kW, IEC Type 2
Connector Cable Length	3m
Charger Output Voltage	400V@50Hz,3ph.
Max. Charger Output Current	32A

Cooling System

Cooling type	HVAC
Operation Mode	Refrigeration and heating

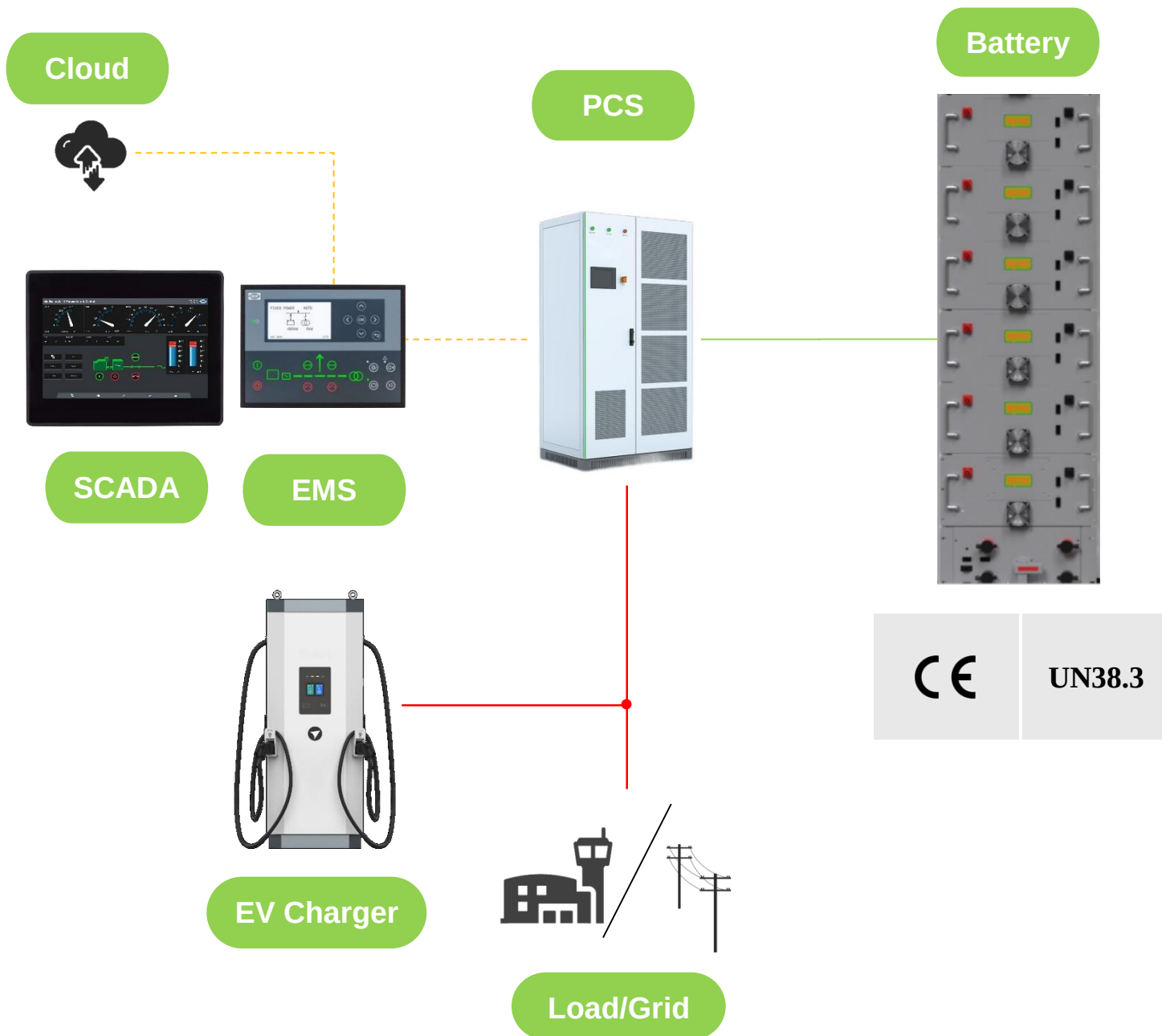
Fire Protection

Type	Novec™ 1230
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EMS

Display and Monitor	Local screen/APP/Web
Function	Energy management and coordinated control of energy storage system

Basic Logic



MPMC USA



MPMC UK



MPMC ZA



MPMC UAE



MPMC PA



MPMC CN

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