

Model: BCH-500-1000

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";



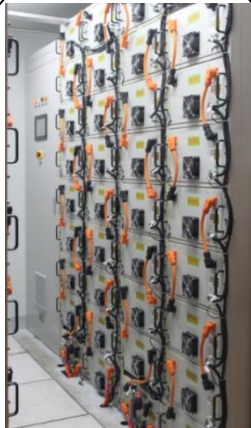
General Information

Model	BCH-500-1000
Rated Output Power@25°C	500kW
Rated Output Voltage	400V@50Hz,3ph.
Battery Storage Capacity	1003.5kWh
Loading Dimension(L*W*H)	20'HC
Weight	20t
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 360kW
2 x CCS2 400A

Battery

Cell Type	LFP(LiFePO ₄)
Pack Model	MF51280
Pack Capacity	14.336kWh
Pack Rated Voltage	51.2VDC
Cyclic Life	6000 (0.5C@90%DOD)
Charger/Discharge Current	140A(0.5C)
Battery Voltage of Rack	716.8VDC
Connection of Pack	14S5P

PCS

Max. Current (AC)	794A
Max. Output Power	550kW
Rated Output Power	500kW
Rated Voltage	400Vac

DC EV Charger

Connector Type	CCS2 400 A (Air Cooled) + 400 A (Air Cooled)
Connector Cable Length	5m
Charger Output Voltage	DC 150 ~ 1000 V
Max. Charger Output Current	Single Connector Only: 400 A (360 kW) Dual Connectors Simultaneous: 400 A (180 kW) + 400 A (180 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

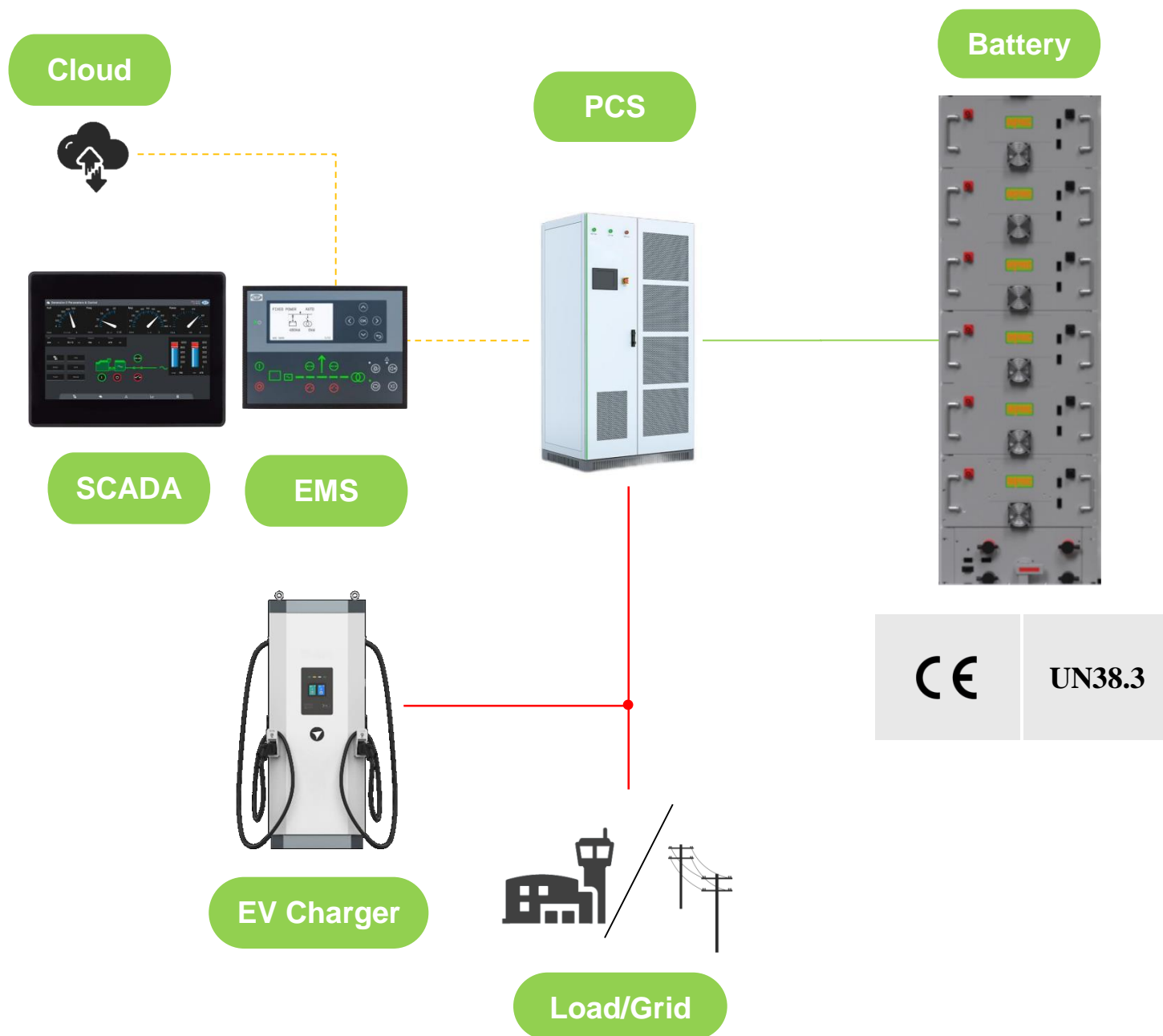
Fire Protection

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

MPMC POWERTECH CORP.

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