



HOPETREK

HB5 Series High-Voltage Battery

ESS-HB10/15/20/25



Key Features

- **Safety & Reliable**

LFP batteries and automotive-grade BMS, high safety & performance
Fault diagnosis and protection functions, accurate location of fault points

- **High Performance**

Suitable for extreme temperatures and solid & complex electromagnetic environments
IP65 protection design for both indoor and outdoor use

- **Flexible Applications**

Modular design, adaptive control strategy
Automatic identification of matching PCS models

- **Easy Installation**

One-piece quick-connect fittings to minimize field wiring
Lightweight and supports a variety of installation methods

www.hopetrekpower.com

Email: Marketing@hopetrekpower.com

Disclaimer: All rights reserved, including final interpretation and content amendment.

Specifications

Model	ESS-HB10	ESS-HB15	ESS-HB20	ESS-HB25
HV Box Model			ESA-CF	
Battery Type			LiFePO4	
Battery Quantity	2pcs	3 pcs	4 pcs	5 pcs
Nominal Capacity	10. 24 kWh	15. 35 kWh	20. 48 kWh	25. 6kWh
Typical Voltage	204. 8 V	307. 2 V	409. 6 V	512 V
Working Voltage Range	179. 2-230. 4 V	268. 8-345. 6 V	358. 4-460. 8V	448-576 V
Charging Temperature			0 °C–55°C	
Discharging Temperature			-20°C–55°C	
Storage Temperature			-10°C–45°C	
Max. Charge Current			25 A	
Max. Discharge Current			25 A	
Cycle Life			>6000*	
SOC Accuracy			<8%	
Communication Mode			CAN	
Weight	140 kg	200 kg	260 kg	320 kg
Dimensions (WxHxD mm)	830×860×200	830×1140×200	830×1420×200	830×1700×200
Ingress Protection			IP65	
Transportation SOC			<30%	
Cooling			Nature	
Altitude			<2000 m	
*Under specific test conditions				

www.hopetrekpower.com

Email: Marketing@hopetrekpower.com

Disclaimer: All rights reserved, including final interpretation and content amendment.



HOPETREK