



## Stackable High Voltage Battery System Series ES-BSH08

Modular system for energy storage. Nominal capacity: 7.6 kWh - 20.4 kWh

High voltage battery. Designed for connection with Electrolux hybrid inverters

Product Name Code (PNC): ES-BSH08-7.6k | ES-BSH08-10.2k | ES-BSH08-12.8k | ES-BSH08-15.3k | ES-BSH08-17.9k | ES-BSH08-20.4k

Stackable and Expandable up to 81.92 kWh (supporting 8 modules per unit, 4 units in parallel)

Multi-use applications: self-consumption, time of use tariffs, customisation

Modular design with plug-in connections  
| Quick connections between battery  
and inverter | Quick & easy-to-install with  
basic tools | Solid design

IP65 rated design  
Cell-level monitoring  
LFP safe technology  
All-round BMS protection

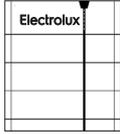
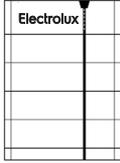
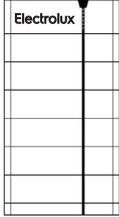
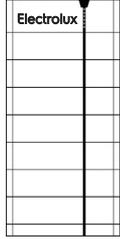
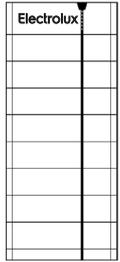
10-year product warranty

For full warranty terms see  
[www.electroluxsolar.com](http://www.electroluxsolar.com)

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**Technical Datasheet**
**ES-BSH08-7.6K**
**ES-BSH08-10.2K**
**ES-BSH08-12.8K**
**ES-BSH08-15.3K**
**ES-BSH08-17.9K**
**ES-BSH08-20.4K**

Battery designation						
Battery module	ES-BMH-08-2.56					
Cell type	LiFePO <sub>4</sub>					
Module quantity	3	4	5	6	7	8
Rated capacity	50 Ah					
Nominal energy <sup>1</sup>	7.68 kWh	10.24 kWh	12.8 kWh	15.36 kWh	17.92 kWh	20.48 kWh
Usable energy <sup>2</sup>	6.91 kWh	9.21 kWh	11.52 kWh	13.82 kWh	16.12 kWh	18.43 kWh
Nominal voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
Operating voltage range	120 V - 175.2 V	160 V - 233.6 V	200 V - 292 V	240 V - 350.4 V	280 V - 408.8 V	320 V - 467.2 V
Max.charging current	25 A					
Max.discharging current	30 A					
Rated charging / discharging power	3.84kW	5.12 kW	6.40 kW	7.68 kW	8.86 kW	10.24 kW
Max.charging power	3.84kW	5.12 kW	6.40 kW	7.68 kW	8.86 kW	10.24 kW
Max.discharging power	4.61 kW	6.14 kW	7.68 kW	9.22 kW	10.75 kW	12.29 kW
Dimensions (W * D * H)	540*390*600 mm	540*390*730 mm	540*390*860 mm	540*390*990 mm	540*390*1120 mm	540*390*1250 mm
Weight	106.5 kg	137 kg	167.5 kg	198 kg	228.5 kg	259 kg
Battery module weight	30.5 kg					
Installation location	Indoor / Outdoor					
Mounting method	Floor mounted					
Operating temperature range	Charge: 0 - 50 °C Discharge: -20 °C - 50 °C					
Storage temperature range	-20 °C - 45 °C					
Cooling concept	Natural convection					
Degree of protection	IP65					
Relative humidity	5 - 95 %, non - condensing					
Communication	CAN					
Certification	IEC 62619 / EN 61000 IEC 62040 / UN38.3					
Life cycle <sup>3</sup>	6000 times					
Protection	Charging over-voltage protection, discharging under-voltage protection, over-current protection, over-temperature protection, short-circuit protection, built-in fire suppression <sup>4</sup> , etc					
Round-trip efficiency	≥95%					

System Data

General Data

Version 2025.02.V1.1EN

- Nominal energy is defined under the following conditions: cell voltage 2.5-3.65V, 0.5C charge & discharge at +25°C.
- Usable energy is defined under the following conditions: 0.5C charge & discharge at +25°C, 90% DOD. Usable energy may vary depending on discharge, charge, environmental conditions and SOC % limits defined by the user.
- Life cycle is defined under the following conditions: 0.5C charge & discharge at +25°C, 9 0% DOD, 70% EOL.
- Available with or without built-in fire suppression functionality, this feature was released.

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