

Stackable Low Voltage Battery System Series ES-BSL08

Modular system for energy storage. Nominal capacity: 5.1 kWh - 20.4 kWh

Low voltage battery. Designed for connection with Electrolux hybrid inverters

Product Name Code (PNC): ES-BSL08-5.1k | ES-BSL08-10.2k | ES-BSL08-15.3k | ES-BSL08-20.4k |

Battery Accessories: ES-BAB08-L (ELECTROLUX Low Voltage Stackable Battery Base plate)

Stackable and Expandable up to 20.48 kWh (supporting 4 modules per unit) | Smarter and safer BMS for precise diagnostics | Elegant design with concealed cable management | Compact, lightweight modules for easier handling and installation

Low self and Standby consumption | Supports up to 1C charge / discharge rate | Integrated Fire suppression system | Enhanced SOC measurement accuracy for optimal battery management

IP65 rated design | Designed in accordance with global safety standards | Integrated MOSFET and dual fuse protection for superior safety and reliability

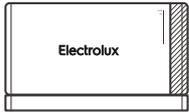
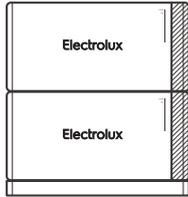
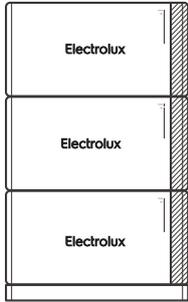
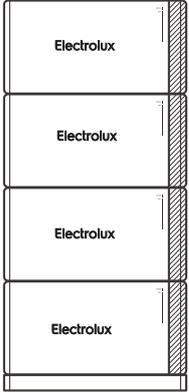
10-year product warranty

For full warranty terms see www.electroluxsolar.com

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Technical Datasheet

Battery module		ES-BML08-5.1K			
Module number		ES-BSL08-5.1K	ES-BSL08-10.2K	ES-BSL08-15.3K	ES-BSL08-20.4K
					
Cell type		LiFePO4			
Rated capacity		100 Ah			
Nominal energy ¹		5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh
Usable energy ²		4.86 kWh	9.72 kWh	14.59 kWh	19.45 kWh
Nominal battery voltage		51.2 V			
Battery voltage range		40 V - 58.4 V			
System Data	Recommended charge / discharge current	60 A	120 A	180 A	210 A
	Max. charge / discharge current	100 A	200 A	210 A	210 A
	Rated charge / discharge power	3.07 kW	6.14 kW	9.22 kW	10.75 kW
	Max. charge / discharge power	5.12 kW	10.24 kW	10.75 kW	10.75 kW
Dimensions (W * D * H)		630 * 185 * 320 mm	630 * 185 * 640 mm	630 * 185 * 960 mm	630 * 185 * 1280 mm
Module weight		46.0 kg	92.0 kg	138.0 kg	184.0 kg
Base weight		2.6 kg			
Installation location		Indoor / Outdoor			
Mounting method		Floor mounted / Wall mounted			
Operating temperature range		Charging : -8 °C - 58 °C Discharging : -18 °C - 58 °C			
Storage temperature range		-20 °C - 60 °C			
Cooling concept		Natural convection			
Protective class		II			
Degree of protection		IP66			
Relative humidity		5 % - 95 % RH, non-condensing			
Max. operating altitude		4000 m (> 3000 m derating)			
General Data	Communication	CAN			
	Certification	IEC 62619, IEC 62040, IEC 62477, IEC 63056, IEC 61000			
	Life cycle ³	6000 times			
	Round-trip efficiency	≥ 95 %			

Version: 2025.02.V1-EN

- Nominal energy is defined under the following conditions: battery voltage 40 - 58.4V, 0.5C charge & discharge at +25 °C
- Usable energy is defined under the following conditions: 0.5C charge & discharge at +25°C, 95 % DOD
- Life cycle is defined under the following conditions: 0.5C charge & discharge at 25 °C (One cycle a day) 90 % DOD, 70 % EOL

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