



Spec Sheet

Bluevolt S-Type LiFePO4 Battery

- ✓ Cost-effective energy storage for solar and backup installations
- ✓ Suitable for residential and commercial applications
- ✓ Assembled in South Africa by Bluevolt
- ✓ Expert technical support and repair services due to in-depth battery knowledge

	S11	S12
Energy Storage Capacity	11 kWh 215 Ah	12kWh 235 Ah
Power, Max Continuous (Charge & Discharge)	8 kW	8 kW
Current, Max Continuous (Charge & Discharge)	160 A	160 A
Usable Energy (Approx. 90% DoD)	10 kWh	11 kWh
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)	
Nominal Voltage	52 V	
Battery Safety Features	Digital battery management system with disconnect switch that will be tripped by the BMS if there is a fault such as minimum SoC % is reached, temperature out of range, cell over and under voltage.	
Inverter-Charger Communication	CAN Bus with <i>Bluevolt Link</i> which offers full communication with inverter brands using the widely used Pylon protocol.	
Inverter-Charger Compatibility	Compatible with most 48V inverters on a voltage-based setup.	
Data Interface	RS485 for connection to <i>Bluevolt Link</i> device, programming the battery and adding an external touchscreen display. The <i>Bluevolt Link</i> interfaces include CAN Bus & Ethernet.	
Human Interface	On-off switch on battery, webpage access for <i>Bluevolt Link</i> to view system stats and info, as well as program the CAN Bus inverter-charger control algorithms.	
Weight	128 kg	
Dimensions	H 865 x W 485 x D 255 mm	
Enclosure	Steel – powder coated and rated for indoor use.	
Mounting and Arrangement	Designed to be freestanding without racks or brackets. Cables can exit either left or right.	
Warranty	The warranty is valid for the first 10 years or first 3,600 cycles, whichever occurs first. The average daily depth-of-discharge (DoD) should not exceed 80%.	

This spec sheet may change without notice and at the sole discretion of Bluevolt

bluevolt

- ✉ info@bluevolt.co.za
- ☎ +27 (0)11 486 2488
- 🌐 www.bluevolt.co.za
- 📍 245 Albert Amon Road, Meadowdale,
Germiston, Johannesburg, South Africa