

EBS-B2K5 High Voltage Battery

EBS-S5K1/7K5/10K/12K/15K/17K/20K/23K/25K

2.56kWh

Modular Design

50Ah

Nominal Capacity

50A

Max. Charge/Discharge Current

Residential Energy Storage System



Performance & Capacity

- Rapid charge/discharge at 50A
- Parallel connection up to 3 clusters for 76.8 kWh max storage



Connectivity & Management

- Integrated Wi-Fi for robust, dual-channel data communication
- Simplified interacting based on independent database and multiple strategies



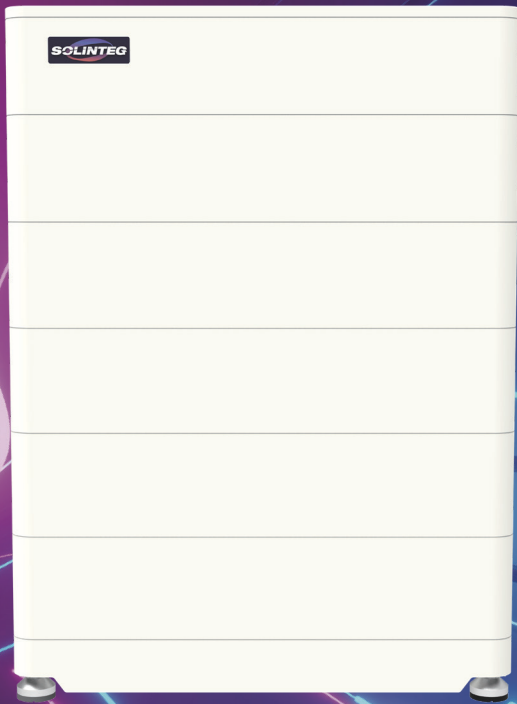
Design & Installation

- Sleek design with a hidden handle for easy and stylish handling
- Effortless snap-fit installation for quick setup



Reliability & Safety

- Convenient remote system updates and maintenance
- Dependable with a comprehensive 10-year warranty



Integ E Series

The Power Extender

EBS-B2K5 High Voltage Battery

Battery		EBS-B2K5	Controller		EBS-C
Nominal Energy	[kWh]	2.56	Operation Voltage	[Vdc]	80 - 750
Usable Energy	[kWh]	2.30	Max. Charge/Discharge Current	[A]	50 / 50
Nominal Capacity	[Ah]	50	Communication		CAN/RS232
Nominal Voltage	[V]	51.2	Power Connection Type		Positioner & Quick Connector
Voltage Range	[V]	44.8~57.6	Weight	[KG]	14
Max. Charge/Discharge Current	[A]	50 / 50	Dimensions	[W×D×H mm]	650x350x134
Weight	[KG]	32	Operation Temperature	[°C]	-20~55
Dimensions	[W×D×H mm]	650x350x159 (with Positioner)	Relative Humidity	[%]	5~95 (No condensation)
Operation Temperature	[°C]	0~55 (Charge) / -10~55 (Discharge)	Altitude	[m]	2000
Relative Humidity	[%]	5~95 (No condensation)			
Altitude	[m]	2000			
Cell Type		LiFePO4			
Module Connection		Hard Connection with Positioner			
Installation Method		Stackable			
Module Number		2~10 in series			
Communication		CAN with integrated socket			

Base		EBS-A
Operation Voltage	[Vdc]	80 - 750
Max. Charge/Discharge Current	[A]	50 / 50
Weight	[KG]	12
Dimensions	[W×D×H mm]	650x350x109 (with Positioner)
Operation Temperature	[°C]	-20~55
Relative Humidity	[%]	5~95 (No condensation)
Altitude	[m]	2000

EBS Energy Storage System

Storage System	EBS-S5K1	EBS-S7K5	EBS-S10K	EBS-S12K	EBS-S15K	EBS-S17K	EBS-S20K	EBS-S23K	EBS-S25K	
Module Number	2	3	4	5	6	7	8	9	10	
Nominal Energy	[kWh]	5.12	7.68	10.24	12.80	15.36	17.92	20.48	23.04	25.60
Usable Energy	[kWh]	4.61	6.91	9.22	11.52	13.82	16.13	18.43	20.74	23.04
Nominal Capacity	[Ah]	50								
Nominal Voltage	[V]	102.4	153.6	204.8	256.0	307.2	358.4	409.6	460.8	512.0
Voltage Range	[V]	89.6 - 116.8	134.4 - 175.2	179.2 - 233.6	224.0 - 292.0	268.8 - 350.4	313.6 - 408.8	358.4 - 467.2	403.2 - 525.6	448.0 - 584.0
Recommend Charge/Discharge Current	[A]	25 / 25								
Max. Charge/Discharge Current	[A]	50 / 50								
Weight	[KG]	90	122	154	186	218	250	282	314	346
Dimensions	[W×D×H mm]	650x350x487	650x350x621	650x350x755	650x350x889	650x350x1023	650x350x1157	650x350x1291	650x350x1425	650x350x1559
Protection Degree		IP54								
Warranty		10 years (Performance warranty)*								
Operation Temperature	[°C]	0~55 (Charge) / -10~55 (Discharge)								
Relative Humidity	[%]	5~95 (No condensation)								
Altitude	[m]	2000								
Cell Type		LiFePO4								
Module Connection		Series / Hard Connection with Positioner								
Installation Method		Stackable & 2 Clusters in Parallel								
Communication		CAN with RJ45 Connector								
Certification		CE/IEC62619/UN38.3								

EBS-S5K1 to EBS-S20K suitable to MHS-3~8K series and EBS-S7K5 to EBS-S25K for MHT 4~20K series;

Capable of parallel connection for more capacity.

* Please refer to Solinteg Battery warranty for details.

** Please strictly follow the installation instruction for safety.

*** Please fix the batteries with wall bracket for toppling prevention.