

SL-BH High Voltage Battery System

SL-BH series is a high voltage battery that offers multiple energy storage options through an expandable modular design (3-8 modules combined), which further simplifies installation and O&M with multiple smart functions. The safest battery cell technology (LiFeO_4) comes with a high charging rate, ensuring superior performance.



Original battery active balance technology



Flexible capacity options, 7.68kWh to 20.48kWh



Easy installation with modular and stacked design



Remote diagnosis and real-time data monitoring

	SL-BH-3-7	SL-BH-4-10	SL-BH-5-12	SL-BH-6-15	SL-BH-7-17	SL-BH-8-20
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Electrical Parameters

NO. of series battery	3	4	5	6	7	8
Rated energy (kWh)	7.68	10.24	12.8	15.36	17.92	20.48
Usable energy (kWh)	6.9	9.2	11.52	13.8	16.13	18.4
Rated voltage(V)	153.6	204.8	256	307.2	358.4	409.6
Voltage range(V)	134.4-172.8	179.2-230.4	224-288	268.8-345.6	313.6-403.2	358.4-460.8
Rated capacity(Ah)	50					
Charge current(A)	25 (Recommended) /50 (MAX)					
Discharge current(A)	25 (Recommended) /50 (MAX)					
Cycle times	80% DOD, cycles>6000, residual capacity>60%					
Communication	RS485/RS232/CAN 2.0					
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit					
Size (W x D x H, mm)	710*320*639	710*320*776	710*320*913	710*320*1050	710*320*1187	710*320*1324
Weight (kg)	118	150.8	183.6	216.4	249.2	282

Working Conditions

Installation	Indoor					
Working temperature	-10°C ~50°C					
Optimum working temperature	20°C ~30°C					
Storage temperature	-30°C ~60°C					
Protection degree	IP54					
Humidity	5%-95%					
Altitude	≤ 2000					
Cooling	Natural					
Certificate	CE, UN38.3, MSDS, CB/EMC, IP					

