



# 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 (2-8 modules combined), which further simplifies installation and O&M with multiple smart functions. The safest battery cell technology (LiFePO<sub>4</sub>) 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-2-5	SL-BH-3-7	SL-BH-4-10	SL-BH-5-12	SL-BH-6-15	SL-BH-7-17	SL-BH-8-20
<b>Electrical Parameters</b>							
NO. of series battery	2	3	4	5	6	7	8
Rated energy (kWh)	5.12	7.68	10.24	12.8	15.36	17.92	20.48
Usable energy (kWh)	4.6	6.9	9.2	11.52	13.8	16.13	18.4
Rated voltage (V)	102.4	153.6	204.8	256	307.2	358.4	409.6
Voltage range (V)	89.6-115.2	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>70%						
Communication	RS485/RS232/CAN 2.0						
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit						
Size (W×D×H, mm)	710×320×502	710×320×639	710×320×776	710×320×913	710×320×1050	710×320×1187	710×320×1324
Weight (kg)	85.2	118	150.8	183.6	216.4	249.2	282
<b>Working Conditions</b>							
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 (m)	≤ 2000						
Cooling	Natural						
Certificate	CE, UN38.3, MSDS, CB/EMC, IP						

