

C&I BESS (HV) (20.4-71.6) kWh

Smarter Power Better Life

KEY FEATURES



Leading edge technology

- The secondary architecture BMS adopts advanced AI algorithms.
- Equipped with Wi-Fi for remote OTA updates (optional).
- Active cooling for 0.5C charge/discharge + 100% DOD + positive balancing ensures long-term battery use.

Flexible configuration System

- PACK can be used up to 7 in series to reach 70kWh.
- Maximum 4 RACKs in parallel to increase capacity to 280kWh without adding other equipment .
- Industrial-Grade BMS protection & voltage level automatching allows free combination of series/parallel connections.
- 8000 cycles of design life to increase the return on investment in C&I energy storage scenarios.

Local Service Support

- Provides support from the design until the operation.
- Pre-sales and sales activities including online & offine product training.
- Logistics including warehousing and delivery to the installation site .
- Provide customers with localized and fast technical support for installation, commissioning and operation (including warranty services).

Safe and effcient

- Modular batteries + modular armored cabinets, with a minimalist design and LEGO-like installation method to save transportation costs.
- Pack-level fire protection (thermal aerosol) + rack-level fire protection (flexible suppression fire extinguishing system using perfluorohexane).
- Quick-connect + adaptive communication for foolproof installation.
- Packs/racks are designed to meet IP65 & C5 corrosion resistance standards.



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Model SieB-XH-M Communication Method CAN/RS485/WiFi Humidity CAN/RS485/WiFi Humidity O-95%RH (No condensed water) Altitude [m] ≤ 3500 Rated Voltage 1000V DC Rated Current [A] 100 (Charge & Discharge Rate of 1C) Dimensions (W*H*D) [mm] 442*450*133 Rack Batteries Battery Type LiFePO4 Module Type SieB-XH10K2-M Capacity [kWh] 20.48 30.72 40.96 51.20 61.44 71.68 Battery Voltage (PACK 102.4V) [V] 204.8 307.2 40.96 51.20 61.44 71.68 Electrical Parameters Voltage Range [V] 173-230 259-346 346-461 432-576 518-691 605-800 Max. Charging Current [A] 100 General D	Model	SieB-XH20K4-M	SieB-XH30K7-M	SieB-XH40K9-M	SieB-XH51K2-M	SieB-XH61K4-M	SieB-XH71K6-M
Communication Method CAN/R5485/WiFi Humidity 0-95%RH (No condensed water) Altitude [m] \$\frac{3}{2}\$500 Rated Voltage 1000V DC Rated Current [A] 100 (Charge & Discharge Rate of 1C) Dimensions (W*H*D) [mm] 442*450*133 Rack Batteries Battery Type LiFePO4 Module Type \$\frac{5}{1}\$EB-XH10K2-M} Capacity [kWh] 20.48 30.72 40.96 51.20 61.44 71.68 Battery Voltage (PACK 102.4V) [V] 204.8 307.2 409.6 512.0 614.4 716.8 Capacity [Ah] 100 Electrical Parameters Voltage Range [V] 173-230 259-346 346-461 432-576 518-691 605-800 Max. Charging Current [A] 100 Max. Discharge Current [A] 100 General Data Dimensions (W*H*D) [mm] 576*582*804 576*582*1034 576*582*1264 576*582*1494 576*582*1724 576*582*195 Communication Method CAN/R5485	HV BOX						
Altitude [m] S3500 Rated Voltage 1000V DC Rated Current [A] 100 (Charge & Discharge Rate of 1C) Dimensions (W*H*D) [mm] 442*450*133 Rack Batteries Battery Type LiFePO4 Module Type SieB-XH10K2-M Capacity [kWh] 20.48 30.72 40.96 51.20 61.44 71.68 Battery Voltage (PACK 102.4V) [V] 204.8 307.2 409.6 512.0 614.4 716.8 Capacity [Ah] 100 Electrical Parameters Voltage Range [V] 173-230 259-346 346-461 432-576 518-691 605-800 Max. Charging Current [A] 100 General Data Dimensions (W*H*D) [mm] 576*582*804 576*582*1034 576*582*1264 576*582*1494 576*582*1724 576*582*195 Communication Method CAN/R5485	Model	SieB-XH-M					
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Rack Batteries Battery Type LiFePO4	Rated Current [A]	100 (Charge & Discharge Rate of 1C)					
Battery Type SieB-XH10K2-M Capacity [kWh] 20.48 30.72 40.96 51.20 61.44 71.68 Battery Voltage (PACK 102.4V) [V] 204.8 307.2 409.6 512.0 614.4 716.8 Capacity [Ah] 100 Electrical Parameters Voltage Range [V] 173-230 259-346 346-461 432-576 518-691 605-800 Max. Charging Current [A] 100 Max. Discharge Current [A] 100 General Data Dimensions (W*H*D) [mm] 576*582*804 576*582*1034 576*582*1264 576*582*1494 576*582*1724 576*582*195. Communication Method CAN/RS485	Dimensions (W*H*D) [mm]	442*450*133					
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Capacity [kWh] 20.48 30.72 40.96 51.20 61.44 71.68 Battery Voltage (PACK 102.4V) [V] 204.8 307.2 409.6 512.0 614.4 716.8 Capacity [Ah] 100 Electrical Parameters Voltage Range [V] 173-230 259-346 346-461 432-576 518-691 605-800 Max. Charging Current [A] 100 Max. Discharge Current [A] 100 General Data Dimensions (W*H*D) [mm] 576*582*804 576*582*1034 576*582*1264 576*582*1494 576*582*1724 576*582*195-600 Communication Method CAN/RS485	Battery Type	LiFePO4					
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Capacity [Ah] 100 Electrical Parameters Voltage Range [V] 173-230 259-346 346-461 432-576 518-691 605-800 Max. Charging Current [A] 100 Max. Discharge Current [A] 100 General Data Dimensions (W*H*D) [mm] 576*582*804 576*582*1034 576*582*1264 576*582*1494 576*582*1724 576*582*195 Communication Method CAN/RS485	Capacity [kWh]	20.48	30.72	40.96	51.20	61.44	71.68
Communication Method Signature Can/RS485 Signature Can/RS485 Can/RS485 Signature Can/RS485 Can/RS485 Signature Can/RS485 Can/RS485 Signature Can/RS485 Can/R	Battery Voltage (PACK 102.4V) [V]	204.8	307.2	409.6	512.0	614.4	716.8
Voltage Range [V] 173-230 259-346 346-461 432-576 518-691 605-800 Max. Charging Current [A] 100 Max. Discharge Current [A] 100 General Data Dimensions (W*H*D) [mm] 576*582*804 576*582*1034 576*582*1264 576*582*1494 576*582*1724 576*582*195 Communication Method CAN/RS485	Capacity [Ah]	100					
Max. Charging Current [A] 100 Max. Discharge Current [A] 100 General Data 576*582*804 576*582*1034 576*582*1264 576*582*1494 576*582*1724 576*582*195 Communication Method CAN/RS485	Electrical Parameters						
Max. Discharge Current [A] 100 General Data Dimensions (W*H*D) [mm] 576*582*804 576*582*1034 576*582*1264 576*582*1494 576*582*1724 576*582*1956 Communication Method CAN/RS485	Voltage Range [V]	173-230	259-346	346-461	432-576	518-691	605-800
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Communication Method CAN/RS485	General Data						
	Dimensions (W*H*D) [mm]	576*582*804	576*582*1034	576*582*1264	576*582*1494	576*582*1724	576*582*1954
	Communication Method	CAN/RS485					
Charging Temperature Range [°C] 0~45	Charging Temperature Range [℃]	0~45					
Discharging Temperature Range [°C] -15~45	Discharging Temperature Range [°C]	-15~45					
Humidity 0-95%RH (No condensed water)	Humidity	0-95%RH (No condensed water)					
Altitude [m] ≤3500	Altitude [m]	≤3500					
Installation Method Racks/Cabinet	Installation Method	Racks/Cabinet					
Degree of protection IP65	Degree of protection	IP65					
Warranty & Cycle Life 8000 Cycles (@25±2℃, 0.5C/0.5C, 80%DOD)	Warranty & Cycle Life	8000 Cycles (@25±2°C, 0.5C/0.5C, 80%DOD)					
Safety Certificate UN/ CE	Safety Certificate	UN/ CE					