



C&I BESS Rack Mounting (HV) (15.66-62.66) kWh

Smarter Power Better Life

KEY FEATURES



Modular Design & Easy Installation

- Rack-mounted design enables rapid deployment and on-demand capacity scaling.

Safety & reliability

- High-security LiFePO₄ chemistry material delivers superior thermal stability and extended cycle life.

Multi-layer protection

- Real-time SOH monitoring plus fast-acting safety mechanisms instantly flag and isolate faults for worry-free operation.

Wide-Temperature Operation

- Operates for -20 °C to +55 °C, covering both extreme-cold and high-heat applications.

Flexible configuration

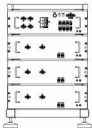
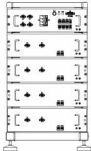
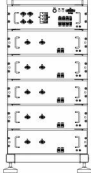
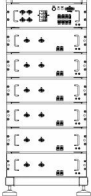
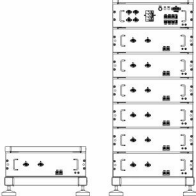
- 3-12 battery packs can be freely combined per cluster for up to 60 kWh, with multi-cluster parallel expansion supported.

High compatibility

- Compatible with mainstream three-phase inverters, balancing peak efficiency and safety.



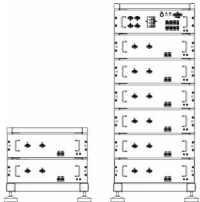
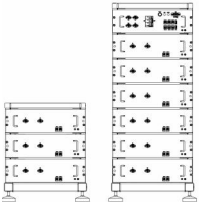
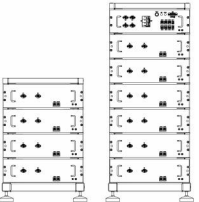
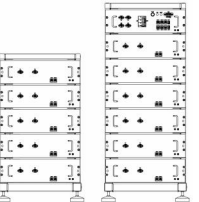
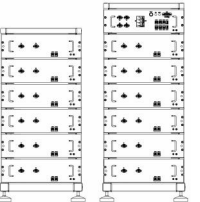
C&I Rack Mounting BESS (HV) (15.66-62.66) kWh

Type Designation	SieB-HP15K6-M	SieB-HP20K8-M	SieB-HP26K1-M	SieB-HP31K3-M	SieB-HP36K5-M
Technical data					
Rated energy* [kWh]	15.66	20.88	26.11	31.33	36.55
Module type	SieB-HP5222-M				
Module parameter	5.22kWh 51.2V 102Ah 465*545.3*135mm 44±1kg				
Cell type	LFP (LiFePO4)				
BDU Model	SieB-HP-M				
BMS architecture	Master-Slave secondary structure				
BDU Dimensions (W*D*H) [mm]	465*545.3*135				
BDU Weight [kg]	12±1				
Max. module configuration	3 	4 	5 	6 	7 
Cell configuration	1P48S	1P64S	1P80S	1P96S	1P112S
Nominal voltage [V]	153.6	204.8	256	307.2	358.4
Operating voltage range [V]	134.4-172.8	179.2-230.4	224-288	268.8-345.6	313.6-403.2
Max. continuous current** [A]	50				
Max. continuous power** [kW]	7.7	10.2	12.8	15.4	17.9
Peak discharge power [kW]	15.4	20.5	25.6	30.7	35.8
Peak discharge current [A]	100A @1min				
Communication	CAN / RS485				
Parallel connect	A maximum of 4 clusters with CAN communication				
Weight [kg]	170	218	265	312	360
Dimensions (W*D*H) [mm]	3 PACK + 1 BDU: 480.6*537*670mm; 6 PACK + 1 BDU: 480.6*537*1095mm				
Operating temperature [°C]	Discharge: -20-50°C; Charge: 0-50°C				
Storage temperature [°C]	-30~55 (≤6 Months)				
Humidity [%]	5-95				
Altitude [m]	≤2000				
Degree of protection	IP20 (Indoor)				
Cooling	Natural convection				
Installation location	Floor-standing (In Cabinet)				
Display	Status indicator				

* Test conditions: 2.5V-3.65V, 0.2C Charge (CC-CV) and Discharge at 25±3°C, 100% depth of discharge (DOD);

** Max. Continuous Current / Power derating will occur related to Temperature / SOC / Humidity;

C&I Rack Mounting BESS (HV) (15.66-62.66) kWh

Type Designation	SieB-HP41K7-M	SieB-HP47K0-M	SieB-HP52K2-M	SieB-HP57K4-M	SieB-HP62K6-M
Technical data					
Rated energy* [kWh]	41.77	47	52.22	57.44	62.66
Module type	SieB-HP5222-M				
Module parameter	5.22kWh 51.2V 102Ah 465*545.3*135mm 44±1kg				
Cell type	LFP (LiFePO4)				
BDU Model	SieB-HP-M				
BMS architecture	Master-Slave secondary structure				
BDU Dimensions (W*D*H) [mm]	465*545.3*135				
BDU Weight [kg]	12±1				
Max. module configuration	8	9	10	11	12
					
Cell configuration	1P128S	1P144S	1P160S	1P176S	1P192S
Nominal voltage [V]	409.6	460.8	512	563.2	614.4
Operating voltage range [V]	358.4-460.8	403.2-518.4	448-576	492.8-633.6	537.6-691.2
Max. continuous current** [A]	50				
Max. continuous power** [kW]	20.5	23.0	25.6	28.2	30.7
Peak discharge power [kW]	41.0	46.1	51.2	56.3	61.4
Peak discharge current [A]	100A @1min				
Communication	CAN / RS485				
Parallel connect	A maximum of 4 clusters with CAN communication				
Weight [kg]	407	455	502	549	597
Dimensions (W*D*H) [mm]	3 PACK + 1 BDU: 480.6*537*670mm; 6 PACK + 1 BDU: 480.6*537*1095mm				
Operating temperature [°C]	Discharge: -20-50°C; Charge: 0-50°C				
Storage temperature [°C]	-30~55 (≤6 Months)				
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