



# C&I Rack Mounting BESS (HV) (15.66-67.86) kWh

**FROM GRID TO HOME**

# KEY FEATURES



## Modular Design & Easy Installation

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

## Safety & reliability

- High-security LiFePO<sub>4</sub> 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

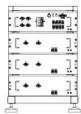
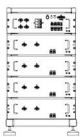
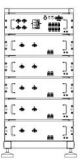
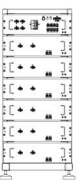
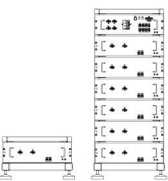
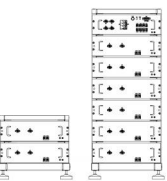
- 3-13 battery packs can be freely combined per cluster for up to 60 kWh, with multi-cluster parallel expansion supported.

## High compatibility

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



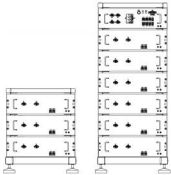
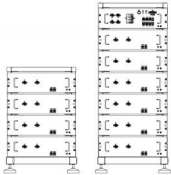
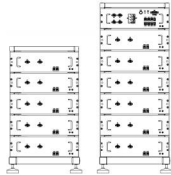
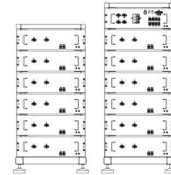
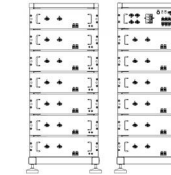
# C&I Rack Mounting BESS (HV) (15.66-67.86) kWh

| Type Designation              | SieB-HP15K6-M                                                                          | SieB-HP20K8-M                                                                          | SieB-HP26K1-M                                                                          | SieB-HP31K3-M                                                                            | SieB-HP36K5-M                                                                            | SieB-HP41K7-M                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Technical data</b>         |                                                                                        |                                                                                        |                                                                                        |                                                                                          |                                                                                          |                                                                                          |
| Rated energy* [kWh]           | 15.66                                                                                  | 20.88                                                                                  | 26.11                                                                                  | 31.33                                                                                    | 36.55                                                                                    | 41.77                                                                                    |
| Module type                   | SieB-HP5222-M                                                                          |                                                                                        |                                                                                        |                                                                                          |                                                                                          |                                                                                          |
| Module parameter              | 5.22kWh 51.2V 102Ah 465*545.3*135mm 44±1kg                                             |                                                                                        |                                                                                        |                                                                                          |                                                                                          |                                                                                          |
| Cell type                     | LFP (LiFePO4)                                                                          |                                                                                        |                                                                                        |                                                                                          |                                                                                          |                                                                                          |
| Max. module configuration     | 3<br> | 4<br> | 5<br> | 6<br> | 7<br> | 8<br> |
| Cell configuration            | 1P48S                                                                                  | 1P64S                                                                                  | 1P80S                                                                                  | 1P96S                                                                                    | 1P112S                                                                                   | 1P128S                                                                                   |
| Nominal voltage [V]           | 153.6                                                                                  | 204.8                                                                                  | 256                                                                                    | 307.2                                                                                    | 358.4                                                                                    | 409.6                                                                                    |
| Operating 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                                                                              |
| Max. continuous current** [A] | 50                                                                                     |                                                                                        |                                                                                        |                                                                                          |                                                                                          |                                                                                          |
| Max. continuous power** [kW]  | 7.7                                                                                    | 10.2                                                                                   | 12.8                                                                                   | 15.4                                                                                     | 17.9                                                                                     | 20.5                                                                                     |
| Peak discharge power [kW]     | 15.4                                                                                   | 20.5                                                                                   | 25.6                                                                                   | 30.7                                                                                     | 35.8                                                                                     | 41.0                                                                                     |
| 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                                                                                      | 407                                                                                      |
| 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;

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| Type Designation              | SieB-HP47K0-M                                                                          | SieB-HP52K2-M                                                                           | SieB-HP57K4-M                                                                            | SieB-HP62K6-M                                                                             | SieB-HP67K8-M                                                                             |
|-------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Technical data</b>         |                                                                                        |                                                                                         |                                                                                          |                                                                                           |                                                                                           |
| Rated energy* [kWh]           | 47                                                                                     | 52.22                                                                                   | 57.44                                                                                    | 62.66                                                                                     | 67.86                                                                                     |
| Module type                   | SieB-HP5222-M                                                                          |                                                                                         |                                                                                          |                                                                                           |                                                                                           |
| Module parameter              | 5.22kWh 51.2V 102Ah 465*545.3*135mm 44±1kg                                             |                                                                                         |                                                                                          |                                                                                           |                                                                                           |
| Cell type                     | LFP (LiFePO4)                                                                          |                                                                                         |                                                                                          |                                                                                           |                                                                                           |
| Max. module configuration     | 9<br> | 10<br> | 11<br> | 12<br> | 13<br> |
| Cell configuration            | 1P144S                                                                                 | 1P160S                                                                                  | 1P176S                                                                                   | 1P192S                                                                                    | 1P208S                                                                                    |
| Nominal voltage [V]           | 460.8                                                                                  | 512                                                                                     | 563.2                                                                                    | 614.4                                                                                     | 665.6                                                                                     |
| Operating voltage range [V]   | 403.2-518.4                                                                            | 448-576                                                                                 | 492.8-633.6                                                                              | 537.6-691.2                                                                               | 582.4~748.8                                                                               |
| Max. continuous current** [A] | 50                                                                                     |                                                                                         |                                                                                          |                                                                                           |                                                                                           |
| Max. continuous power** [kW]  | 23.0                                                                                   | 25.6                                                                                    | 28.2                                                                                     | 30.7                                                                                      | 33.93                                                                                     |
| Peak discharge power [kW]     | 46.1                                                                                   | 51.2                                                                                    | 56.3                                                                                     | 61.4                                                                                      | 66.56                                                                                     |
| Peak discharge current [A]    | 100A @1min                                                                             |                                                                                         |                                                                                          |                                                                                           |                                                                                           |
| Communication                 | CAN / RS485                                                                            |                                                                                         |                                                                                          |                                                                                           |                                                                                           |
| Parallel connect              | A maximum of 4 clusters with CAN communication                                         |                                                                                         |                                                                                          |                                                                                           |                                                                                           |
| Weight [kg]                   | 455                                                                                    | 502                                                                                     | 549                                                                                      | 597                                                                                       | 645                                                                                       |
| 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);

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