

M1 Series

Rack mounting BESS
(battery energy storage system) (HV)



KEY FEATURES

- High efficiency: No built-in DCDC
- DOD up to **100%**
- Usable energy up to **94.9%**
- **10 Years** warranty & **6000 Cycle life**

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Technical data

| Manufacturer | SieB-H9800-M | SieB-H13K1-M | SieB-H16K3-M | SieB-H19K6-M | SieB-H22K9-M | SieB-H26K2-M |
|-------------------------------|---|-----------------|--------------|--------------|--------------|--------------|
| Nominal Energy (kWh)*1 | 9.83 | 13.11 | 16.38 | 19.66 | 22.94 | 26.21 |
| Usable Energy (kWh)*2 | 9.334 | 12.45 | 15.56 | 18.67 | 21.79 | 24.89 |
| Module Type | SieB-H3277-M | | | | | |
| Module Parameter | 51.2V 64Ah 440*380*131mm 27kg | | | | | |
| Cell Type | LFP (LiFePO4) | | | | | |
| Nominal Capacity (Ah) | 64 | | | | | |
| Max. Module Configuration | 3 | 4 | 5 | 6 | 7 | 8 |
| 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) | 144~172.8 | 192~230.4 | 240~288 | 288~345.6 | 336~403.2 | 384~460.8 |
| Max. Continuous Current (A)*3 | 52.5 | | | | | |
| Max. Continuous Power (kW)*3 | 7.56 | 10.08 | 12.60 | 15.12 | 17.64 | 20.16 |
| Communication | CAN / RS485 | | | | | |
| Parallel Connect | A maximum of 4 racks with CAN communication | | | | | |
| Weight (kg) | 87 | 114 | 141 | 168 | 195 | 222 |
| Dimensions (W*D*H) (mm) | 600*600*1500 | | | | | |
| Operating Temperature (°C) | -10~50 | | | | | |
| Storage Temperature (°C) | -30~60 (≤7 Days) / -20~45 (≤6 Months) | | | | | |
| Humidity | 5%~95% | | | | | |
| Altitude (m)*3 | ≤2000 | | | | | |
| Enclosure Type | IP20 (Indoor) | | | | | |
| Cooling | Natural convection | | | | | |
| Installation Location | Floor-standing (In Cabinet) | | | | | |
| Display | SOC indicator, Status indicator | | | | | |
| Standard and Certification | Safety | IEC 62619 | | | | |
| | EMC | IEC 61000-6-1/3 | | | | |
| | Transportation | UN38.3 | | | | |
| | Others | RoHS, REACH | | | | |
| Warranty*4 | 10 Years | | | | | |

1. Test conditions: 2.5V~3.6V, 0.2C Charge (CC-CV) and Discharge at 25±3°C;

2. Test conditions: 3.0V~3.6V, 0.2C Charge (CC-CV) and Discharge at 25±3°C;

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

4. Refer to Swatten SieB-H-M Limited Warranty Letter;