

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;