

# M1 Series

Rack Mounting BESS  
(Battery Energy Storage System) (HV)



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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;

## KEY FEATURES

High efficiency: No built-in DCDC

DOD up to 100%

Usable energy up to 94.9%

10 Years warranty & 6000 Cycle life