

# LC1 Series

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



## KEY FEATURES

Installation friendly No need to connect a **12V** starter cable

Capable of Self-starting

DoD up to **90%**

**10 Years** warranty & **6000 Cycle** life

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## Technical data

Manufacturer		SieB-L5120-M	
Nominal Energy (kwh)*1		5.12	
Usable Energy (kwh)*2		4.61	
Cell Type		LFP (LiFePO4)	
Nominal Capacity (Ah)		100	
Cell Configuration		1P16S	
Nominal Voltage (V)		51.2	
Operating Voltage Range (V)		48~56	
Max.Continuous Current (A)*3		50 (1 in Parallel)	100 (≥ 2in Parallel)
Max.Continuous Power (kW)*3		2.40 (1in arallel)	4.8 (≥ 2in Parallel)
Communication		CAN	RS485
Parallel Connect		A maximum of 15 Pack with RS485 communication	
Weight (kg)		42	
Dimensions (W*D*H) (mm)		446*500*131	
Operating Temperature (°C)		Charge:0~50/Discharge: -20~50	
Storage Temperature (°C)		-20~45 (≤1 Months) / 0~35 (≤1 Year)	
Humidity		0%~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	
	Environment	CE, RoHS	
Warranty*4		10 Years	

1. Test conditions: 2.5V~3.65V, 0.2C Charge (CC-CV) and Discharge at 25±3°C;

2. Test conditions: 3.0V~3.5V, 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-L-M Limited Warranty Letter;