



# LC1 Series

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

Manufacturer		Rack mounting BESS (battery energy storage system) (LV)	
Model Type		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 (≥2 in Parallel)
Max. Continuous Power (kW)*3		2.40 (1 in Parallel)	4.8 (≥2 in 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	IEC62619	
	EMC	IEC61000-6-1/3	
	Transportation	UN38.3	
	Environment	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;			