Low-Voltage Battery System



LD117

11.7 kWh

High Performance

- 11.7 ~ 187.2 kWh wide capacity range
- Max.230A/230A charge / discharge current①
- Cycle life > 6000 cycles

Assured Reliability

- IP40 ingress protection
- LFP battery cell & high-performance processors
- Aerosol fire suppression for precise protection

Smart Management

- Remote fault diagnosis, upgrade and maintenance
- Wide temperature tolerance
- User-friendly LCD touchscreen for intuitive and easy interaction

Flexible Adaptability

- Expandable to 16 units in parallel
- CTP (Cell-to-Pack) design maximizes space and energy density for superior performance

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V1.8. Information may be subject to modify without notice. 650.00101.00

SOLAX POWER | BVB 09 PARTNER

LD117

GENERAL INFORMATION	
Battery model	TB-LD117
Battery type	LFP
Scalability	Max. 16 pcs in parallel
Nominal voltage	51.2 Vdc
Operating voltage range	42.4 ~ 57.6 Vdc
Nominal energy	11.7 kWh
Usable energy (95% DOD)②	11.1 kWh
Rated power	5.8 kW
Max. power	12.8 kW
Peak output power	23.5 kW, 10s
Recommend charge / discharge current	115 A
Max. charge / discharge current①	230 A / 230 A
Depth of discharge	95%
Cycle life (95% DOD)③	> 6000 cycles
Dimensions (W x H x D)	355 x 726 x 263 mm
Net weight	88 kg
Warranty	5 Years
ENVIRONMENTAL REQUIREMENTS	
Charge temperature	0 ~ 55°C
Discharge temperature	-20 ~ 55°C
Cooling concept	Natural cooling
Storage temperature	-20 ~ 30°C (12 months) 30 ~ 60°C (6 months)
Relative humidity	5 ~ 95% RH (non-condensing)
Max. operating altitude	3000 m
Installation type	Wall mounting / floor mounting
Ingress protection	IP40
Environment	Indoor
COMMUNICATION INTERFACES	
Display	Indicators / LCD
Communication interfaces	CAN2.0 / RS485
STANDARD	
Hazardous materials classification	Class 9
Transport testing requirement	UN38.3
Protection class	Class I
Certifications	IEC 62619, CE

① Current is affected by the number of batteries connected in parallel as well as temperature and SOC.
At the temperature of 25°C, the maximum discharge current can reach 250A and last for 30 minutes.
② Test conditions： 95% DOD, 0.5C charge & discharge @+25°C
③ Test conditions: 25 ± 2°C, 0.5C charge & discharge, 70%EOL