Low-voltage Battery System



LCD



LED

LD5

IP65 5.1 kWh

Assured Reliability

- Aerosol fire suppression and CO detector for precise protection (Optional) ①
- Reliable feedback-type DC circuit breaker

High Performance

- Max. charge / discharge current: 100 A / 135 A
- Peak output power 10.2 kW for 10 s

Smart Management

- Remote fault diagnosis, upgrade and maintenance
- User-friendly LCD touchscreen for intuitive and easy interaction (Optional) ①

Flexible Adaptability

- CTP(Cell-to-Pack) design maximizes space and energy density for superior performance
- IP65 LD5 and IP40 LD51 support mixed deployment, expandable to 16 units in parallel (5.1- 81.9 kWh) ②

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V1.1. Information may be subject to modify without notice. 650.00159.00.AF

SOLAX POWER | BVB 09 PARTNER

LD5

GENERAL INFORMATION		
Battery model	LD5	LD5-S
Battery type	LFP	
Scalability	Max. 16 pcs in parallel	
Nominal voltage	51.2 d.c. V	
Operating voltage range	42.4 – 57.6 d.c. V	
Nominal energy	5.1 kWh	
Depth of discharge（DOD）	95%	
Usable energy(95% DOD)③	4.8 kWh	
Rated charge/ discharge power	2.5 kW / 2.5 kW	
Max. charge/ discharge power	5.1 kW / 6.9 kW	
Peak output power	10.2 kW, 10 s	
Recommend charge / discharge current	50 A / 50 A	
Max. charge / discharge current④	100 A / 135 A	
Cycle life (95% DOD)⑤	> 6000 cycles	
Dimensions (WxHxD)	422 x 759 x 209 mm	
Net weight	48.0 (± 1) kg	
Warranty	5 Years	
ENVIRONMENT LIMIT		
Charge temperature	0 – +55°C	
Discharge temperature	-20 – +55°C	
Cooling concept	Natural cooling	
Storage temperature	-20°C to 30°C (12 months), 30°C to 60°C (6 months)	
Relative humidity	4 – 100% RH (condensing)	
Max. operating altitude	3000 m	
Installation type	Wall mounting / Floor mounting	
Ingress protection	IP65	
Environment	Outdoor / Indoor	
COMMUNICATION		
Display	LED	LCD
Communication interfaces	CAN2.0 / RS485	
STANDARD		
Hazardous materials classification	Class 9	
Transport testing requirement	UN38.3	
Protection class	Class I	
Certifications	IEC 62619, IEC 63056, IEC 60730, CE-LVD, CE-EMC	

① Aerosol fire suppression and LCD touchscreen are optional features.Optional configurations subject to actual order material code.
② When IP65 LD5 and IP40 LD51 are deployed in combination, IP65 LD5 should be the leader
③ Test conditions: 95% DOD, 0.5C charge & discharge @+25°C
④ Current is affected by the number of batteries connected in parallel as well as temperature and SOC
⑤ Test conditions: 25°C±2°C,0.5C charge & discharge,70%EOL