Low-voltage Battery System



LCD



LED

LD16

IP65 **16 kWh**

Assured Reliability

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

High Performance

- Max. charge / discharge current: 155 A / 210 A
- Peak output power 32.1 kW for 3 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
- Wheel design enables more convenient installation
- IP65 and IP40 LD160 support mixed deployment, expandable to 16 units in parallel (16 ～ 256 kWh)②

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V1.1. Information may be subject to modify without notice. 650.00160.00.AF

SOLAX POWER | BVB 09 PARTNER

LD16

GENERAL INFORMATION		
Battery model	LD16	LD16-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	16 kWh	
Depth of discharge (DOD)	95%	
Usable energy (95% DOD)③	15.2 kWh	
Rated charge / discharge power	7.9 kW / 7.9 kW	
Max. charge / discharge power	7.9 kW / 10.7 kW	
Peak output power	32.1 kW, 3 s	
Recommend charge / discharge current	155 A / 155 A	
Max. charge / discharge current④	155 A / 210A	
Cycle life (95% DOD)⑤	> 8000 Cycles	
Dimensions (W x H x D)	406 x 1008 x 281 mm	
Net weight	118.0 (± 1) kg	
Warranty	5 Years	
ENVIRONMENT LIMIT		
Charge temperature	0 – +55℃	
Discharge temperature	-20 – +55°C	
Cooling concept	Natural cooling	
Storage temperature	-20 – +30°C (12 months) +30 – +60°C (6 months)	
Relative humidity	4 – 100% RH (condensing)	
Max. operating altitude	3000 m	
Installation type	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 LCD touchscreen are optional features.Optional configurations subject to actual order material code.
② When IP65 and IP40 LD160 are deployed in combination, IP65 LD16 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±2°C, 0.5C charge & discharge, 70%EOL