Low-voltage Battery System



LED
Sheet Metal



LCD
Tempered Glass



LED
Tempered Glass

LD16/LD14

IP65 **16/14.3 kWh**

LD16 has tempered glass and sheet metal versions. Both versions have indentical functions and performance.
LD14 only has a sheet metal version. Its appearance is consistent with sheet metal version of LD16, except for the battery capacity marking.

Assured Reliability

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

High Performance

- Max. 155 A / 200 A (LD16), 140 A / 200 A (LD14) charge / discharge current
- Peak output power 32.1 kW (LD16), 28.6 kW(LD14) for 3 s

Smart Management

- Remote fault diagnosis, upgrade and maintenance
- Rugged IP65 design with optional battery heating (Optional)①

Flexible Adaptability

- CTP(Cell-to-Pack)design maximizes space and energy density for superior performance
- Plug-and-Play terminals design
- Wheel design enables more convenient installation

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V1.1. Information may be subject to modify without notice. 650.00175.00

	LD16	LD14
GENERAL INFORMATION		
Battery model	LD16-ME	LD14-ME
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	
Rated capacity	314 Ah	280 Ah
Nominal energy	16 kWh	14.3 kWh
Depth of discharge (DOD)	95%	
Usable energy (95% DOD)②	15.2 kWh	13.6 kWh
Rated charge / discharge power	7.9 kW / 7.9 kW	7.1 kW / 7.1 kW
Max. charge / discharge power	7.9 kW / 10.2 kW	7.1 kW / 10.2 kW
Peak output power	32.1 kW, 3 s	28.6 kW, 3s
Recommend charge / discharge current	155 A / 155 A	140A / 140A
Max. charge / discharge current③	155 A / 200 A	140A / 200A
Cycle life (95% DOD)④	> 8000 Cycles	
Dimensions (W x H x D)	406 x 1008 x 281 mm	
Net weight	120.0 (± 1) kg	118.5 (± 1) kg
ENVIRONMENT LIMIT		
Charge temperature	0 – +55°C (without heating function) -20 – +55°C (with heating function)	-20 – +55°C（with heating function）
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	
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 For LD16, heating function is an optional feature.Optional configurations subject to actual order material code.
LD14 only has one version equipped with LED and heating function.
② Test conditions: 95% DOD, 0.5C charge & discharge @+25°C
③ Current is affected by the number of batteries connected in parallel as well as temperature and SOC
④ Test conditions: 25±2°C, 0.5C charge & discharge, 70%EOL