



# solaire LD51 Lithium battery



## Features

Easy & Intuitive  
LCD touchscreen



Peak performance  
Less overload



>6000  
Cycles

10  
Years Warranty

Flexible  
installation

Floor / Wall / Stack

Free  
to scale up Max. 16 units

Remote  
Monitoring & Upgrading

Product model	TB-LD51
Battery type	LFP
Battery component	1P16S
Nominal voltage	51.2 V
Operating voltage range	42.4 V ~ 57.6V
Rated capacity	100 Ah
Nominal energy	5.12 kWh
Usable energy (90%DOD) <sup>①</sup>	4.6 kWh
Recommned current	50 A
Max. current <sup>②</sup>	Charge: 100 A, Discharge: 135 A
Maximum discharge power	6900 W (25°C, 51.2V)
Peak current	200A 10s, 25°C
Cycle life <sup>③</sup>	>6000 Cycles
Communication interfaces	CAN / RS485
HMI	3.5 inch LCD touchscreen + Status Light + SOC power indicators
Operation temperature	Charge: 0 ~ 55°C, Diacharge: -20 ~ 55°C
Storage temperature	-20 ~ 30°C (12 months), 30 ~ 60°C (6 months)
Single string quantity	16 pcs
Dimension (W x H x D)	326 x 626 x 164 mm
Weight	41.5±1 kg
Installation type	Wall / Floor / Stack mounting
Enclosure protection	IP40
Cooling concept	Natural cooling
Humidity	20 ~ 85% RH (non-condensing)
Altitude	<3000 m
Certification	IEC 62477, IEC 62619, IEC 60730, IEC 63056, IEC 61000, EMC, UN38.3
Warranty	10 years warranty

①DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

②Maximum Charge/Discharge Current may be variant at different temperature and SOC.

③25°C ± 2°C, 0.2C / 0.2C, 90% DOD, 70% EOL.