Fronus SOLAR ENERGY ® بھروسے اجالا زندگی میں | SOLAX POWER

Lithium-ion Battery Module

LD-51

51.2V **5.12kWh**

World's only Battery with

135A CONSTANT

1.35c (135 amp) Discharge at 45°C

Rated IP40
Dust Protection

1.35C (135A)
Contant Discharge at 45°C

Heat Resistance
Supports Internal Temperatures Up To 50°C — A World-First Innovation

Touch Screen
User Friendly LED

Built-in WiFi
Access Remotely

Cell-Level Monitoring
10mV Cell-Level Voltage & Temp Tracking

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TSYS-LD51

Product Datasheet

Battery type	LFP
Battery component	1P16S
Nominal voltage	51.2 V
Operating voltage range	42.4 ~ 57.6 V
Rated capacity	100 Ah
Nominal energy	5.12 kWh
Recommended current	100 A
Max. current	Charge: 100 A, Discharge: 135 A
Peak current	200 A (10s, 25°C)
Cycle life	**>6000 Cycles (25℃ ±2℃, 0.2C / 0.2C, 90%DOD, 70%EOL)**
Communication interfaces	CAN / RS485
HMI	3.5 inch LCD touchscreen + Status Light + SOC power indicators
Operation temperature	Charge: 0 ~ 55°C, Discharge: -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)	335 x 626 x 169 mm
Weight	41.5±1 kg
Installation type	Wall / Floor / Rack 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, UN38.3
Warranty	5 Years