Fronus
بھردے اجالا زندگی میں ®
SOLAR ENERGY

SOLAX POWER

Lithium-ion Battery Module

LD-51

51.2V - 5.12kWh - 100 Ah



Product Datasheet

Call
UAN 042 111 111 140

Website
www.fronus.com

Fronus SOLAR ENERGY | SOLAX POWER

LD-51

DATA SHEET

Battery type	LFP
Battery component	1P16S
Nominal voltage	51.2 V
Operating voltage range	44.8 ~ 58.4 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
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	43±2 kg
Installation type	Wall / Floor / Rack mounting
Enclosure protection	IP40 (Indoor Use Only)
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