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SOLAR ENERGY

SOLAX POWER

TP-LD5S

Lithium-Ion Battery Module

5.12kWh | 51.2V | 100Ah



DATASHEET

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PRODUCT DATASHEET

Battery type	$LiFePO_4$
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, Upto 35°C)
Life Cycle	**>8000 at 70% DOD**
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	N.W: 42.0 KG - G.W: 46.0 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
Compatiblity	SOLAX NEXT Deye solis Voltronic Power GOODWE SOFAR GROWATT and compatible with (SolaX LD51 Battery) IP21 & IP65 Solar Inverters