Fronus SOLAR ENERGY | SOLAX POWER

Lithium-ion Battery Module

TP-LD53

100Ah **48V - 5.3kWh**



IP65

PROTECTION

Protect Battery From Water & Dust Particles

120A
Discharge Current

100A
Charge Current

SOC Balance Function
High SOC And Accuracy

6000 Life Cycles
6000+ Life Cycles of Battery

SCAN QR CODE

For More Details

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TP-LD53

DATA SHEET

System Paramaters	TP-LD53
Number of Module Series	1
Nominal Capacity [kWh]	5.3
Usable Capacity (90% DOD)① [kWh]	4.7
Max. Output Current [A] ②	100
Peak Discharge Current [A, s]	200, 10

General Information	
Weight [kg]	48.5
Dimension （L x W x H） [mm]	645 x 150 x 430
Nominal Voltage [V]	51.2
Operating Voltage Range [V]	45 to 58
Battery Type	Lithium Iron Phosphate
Communication Port	CAN / RS485
Operation Temperature [℃]	0 to 53 (charge) ; -20 to 53 (discharge)
Storage Temperature [℃]	30 to 50 (6 months) ; -20 to 30 (12 months)
Ingress Protection	IP65
Colling concept	Natural
Relative humidity [%]	5 to 95 (Non-condensing)
Altitude [m]	3000
Warranty [years]	5
Cycle Life③ [90% DOD]	> 6000
Certification	IEC62619, IEC62040, CE, UN38.3