

BY SOLAX
TRIPLE
POWER

NEW FROM SOLAX

T-BAT-SYS-LV D53



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Features

Flexibility

- Modular design, expandable to 16 units in parallel, max. 85kWh capacity
- Available in wall-mounted or floor-mounted options

High Performance

- Automotive-grade communication for exceptional hardware performance
- Adaptive cut-off enables continuous operation in parallel, even if any battery fails

Smart Management

- AI-Driven real-time monitoring for minimized system risk
- AI-Driven intelligent algorithms ensure high SOC and accuracy
- AI-Driven battery fault diagnosis for accurate detection

User Friendly

- Continuous remote OTA one-click upgrades

Safe and Durable

- Cobalt-Free LFP battery: safer, long-lasting, efficient, high energy density

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T-BAT-SYS-LV D53

System Paramaters	T-BAT LD53	T-BAT LD106	T-BAT LD159	T-BAT LD212	T-BAT LD265	T-BAT LD318	T-BAT LD371	T-BAT LD424
Number of Module Serie	1	2	3	4	5	6	7	8
Nominal Capacity [kWh]	5.3	10.6	15.9	21.2	26.6	31.9	37.2	42.5
Usable Capacity (90% DOD) ^① [kWh]	4.7	9.5	14.3	19.1	23.9	28.7	33.5	38.3
Max. Output Current [A] ^②	100	120						
Peak Discharge Current [A, s]	200, 10							

System Paramaters	T-BAT LD477	T-BAT LD530	T-BAT LD583	T-BAT LD636	T-BAT LD689	T-BAT LD742	T-BAT LD795	T-BAT LD848
Number of Module Serie	9	10	11	12	13	14	15	16
Nominal Capacity [kWh]	47.9	53.2	58.5	63.8	69.2	74.5	79.8	85.1
Usable Capacity (90% DOD) ^① [kWh]	43.1	47.9	52.7	57.5	62.3	67.0	71.8	76.6
Max. Output Current [A] ^②	120							
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 [°C]	0 to 53 (charge) ; -20 to 53 (discharge)
Storage Temperature [°C]	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 ^④ [years]	10
Cycle Life ^③ [90% DOD]	> 6000
Certification	IEC62619, IEC62040, CE, UN38.3

① Test conditions: 90% DOD, 0.2C charge & discharge @+25 °C

② Current is affected by the number of batteries connected in parallel as well as temperature and SOC

③ 25°C ± 2°C, 0.5C / 0.5C, 70 % EOL > 6000

④ The warranty is due whichever reached first of warranty period or energy throughput