

BY SOLAX
TRIPLE
POWER

NEW FROM SOLAX

T-BAT-SYS-LV D53



T-BAT-SYS-LV D53



Features

- Safe LiFePO4 battery
- Support 2 kinds of installation methods: wall or floor mounted
- Long cycle life > 6000 times
- Easy and Fast installation
- Remote monitoring and upgrade
- Easy to scale up, support Max. 16 PCS LD53 parallel

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T-BAT-SYS-LV D53

Model	T-BAT LD53							
	T-BAT LD53	T-BAT LD106	T-BAT LD159	T-BAT LD212	T-BAT LD265	T-BAT LD318	T-BAT LD371	T-BAT LD424
System Parameters								
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	120	120	120	120	120	120
Peak Discharge Current [A, s]	200, 10							
General Information								
Dimension (L x W x H) [mm]	645 x 150 x 430							
Weight [kg]	48.5	97	145.5	194	242.5	291	339.5	388
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 55 (charge); -20 to 55 (discharge)							
Storage Temperature [°C]	+30 to +50 (6 months) ; -20 to +30 (12 months)							
IP rating of enclosure	IP65							
Colling concept	Natural							
Relative humidity [%]	5 to 95 (Non-condensing)							
Altitude [m]	< 3000							
Warranty [years]	5							
Cycle Life ^③ [90% DOD]	> 6000							
Certification	IEC62619, IEC62040, CE, UN38.3							

System Parameters	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
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	120	120	120	120	120	120	120
Peak Discharge Current [A, s]	200, 10							
General Information								
Dimension (L x W x H) [mm]	645 x 150 x 430							
Weight [kg]	436.5	485	533.5	582	630.5	679	727.5	776
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 55 (charge); -20 to 55 (discharge)							
Storage Temperature [°C]	+30 to +50 (6 months) ; -20 to +30 (12 months)							
IP rating of enclosure	IP65							
Colling concept	Natural							
Relative humidity [%]	5 to 95 (Non-condensing)							
Altitude [m]	< 3000							
Warranty [years]	5							
Cycle Life ^③ [90% DOD]	> 6000							
Certification	IEC62619, IEC62040, CE, UN38.3							

① Test conditions: 90% DOD, 0.2C charger & discharger @+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