

Low-voltage Battery System



T-BAT-SYS-LV-R36

3.6kWh ~ 58.8kWh



High Performance

- Long cycle life > 6000 times
- High capacity utilization
- Efficient energy transfer



Assured Reliability

- LiFePO4 battery cell & high-performance processors
- No toxic heavy metals or caustic materials
- Soft start to protect BAT and INV from a sudden surge



Smart Management

- Remote fault diagnosis, upgrade and maintenance











Flexible Adaptability









- Wall quick bracket, or cabinet mounting optional
- Easy to scale up

T-BAT-SYS-LV-R3.6

SYSTEM DATA

TYPE / MODEL	T-BAT LR3.6	T-BAT LR7.2	T-BAT LR10.8	T-BAT LR14.4	T-BAT LR18.0	T-BAT LR21.6	T-BAT LR25.2	T-BAT LR28.8
Number of Modules	 1 Module	 2 Modules	 3 Modules	 4 Modules	 5 Modules	 6 Modules	 7 Modules	 8 Modules
Nominal capacity	3.6 kWh	7.3 kWh	11.0 kWh	14.7 kWh	18.4 kWh	22.0 kWh	25.7 kWh	29.4 kWh
Usable capacity (90% DOD) ^①	3.3 kWh	6.6 kWh	9.9 kWh	13.2 kWh	16.5 kWh	19.8 kWh	23.1 kWh	26.4 kWh
Max.output current	50 A	85 A	120 A	120 A	120 A	120 A	120 A	120 A
Peak discharge current	60 A (60 s) 100 A (15 s)	120 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)

SYSTEM DATA

TYPE / MODEL	T-BAT LR32.4	T-BAT LR36.0	T-BAT LR39.6	T-BAT LR43.2	T-BAT LR46.8	T-BAT LR50.4	T-BAT LR54.0	T-BAT LR57.6
Number of Modules	 9 Modules	 10 Modules	 11 Modules	 12 Modules	 13 Modules	 14 Modules	 15 Modules	 16 Modules
Nominal capacity	33.1 kWh	36.8 kWh	40.4 kWh	44.1 kWh	47.8 kWh	51.5 kWh	55.2 kWh	58.8 kWh
Usable capacity (90% DOD) ^①	29.8 kWh	33.1 kWh	36.4 kWh	39.7 kWh	43.0 kWh	46.3 kWh	49.6 kWh	52.9 kWh
Max.output current	120 A	120 A	120 A	120 A	120 A	120 A	120 A	120 A
Peak discharge current	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)	150 A (60 s) 200 A (15 s)

GENERAL INFO

Nominal voltage	51.2 V
Operating voltage range	45 ~ 58 V
Battery type	Lithium iron phosphate
Communication port	CAN, RS485
Working temperature	0 ~ 55°C (charge) -20 ~ 55°C(discharge)
Storage temperature	30 ~ 50°C (6 months) -20 ~ 30°C (12 months)
IP rating of enclosure	IP20
T-BAT LR3.6 Dimensions (L × W × H)	442 × 420 × 130 mm
T-BAT L3.6 Weight	33 kg
Cooling type	Natural cooling
Relative humidity	5 ~ 95% RH (Non-condensing)
Altitude	< 3000 m
Warranty	5 years
Cycle life (90% DOD)	> 6000 cycles
Certification	IEC62619, IEC62040, CE, UN38.3

① Test conditions: 90% DOD, 0.2C charger & discharger @+25°C

Note: The battery system consists of 2 to 16 modules.