

High-voltage Battery System



T-BAT H 3.0 V2



Smart Management

- Remote fault diagnosis, upgrade and maintenance
- Unique battery heating tech for low-temperature operation



Assured Reliability

- LFP battery cell & high-performance processors
- Safety Certifications: CE, UN38.3, etc.
- IP65 ingress protection



High Performance

- Cycle life > 5000 cycles
- High capacity utilization
- Efficient energy transfer



Flexible Adaptability

- Compatible with BMS-Parallel Box-II G2 , up to 2 towers of batteries
- Stackable modules, supporting floor mounting

T-BAT H 3.0 V2



	T-BAT H 3.0 T-BAT H 3.0 V2	T-BAT H 6.0 T-BAT H 6.0 V2	T-BAT H 9.0 T-BAT H 9.0 V2	T-BAT H 12.0 T-BAT H 12.0 V2
Rated voltage	102.4 V	204.8 V	307.2 V	409.6 V
Operation voltage range	90 ~ 116 V	180 ~ 232 V	270 ~ 348 V	360 ~ 464 V
Total energy	3.1 kWh	6.1 kWh	9.2 kWh	12.3 kWh
Usable energy ^①	2.8 kWh	5.5 kWh	8.3 kWh	11.0 kWh
Rated capacity	30 Ah			
Rated charge / discharge power	2.5 kW	5.1 kW	7.6 kW	10.2 kW
Max. charge / discharge power	3.1 kW	6.1 kW	9.2 kW	12.3 kW
Recommend charge / discharge current	25 A			
Max. charge / discharge current ^②	30 A			
Battery roundtrip efficiency	95%			
Cycle life ^③ [90% DOD]	> 5000 cycles			
Warranty	10 years			
Charge temperature	-30 ~ +50°C (with heating function) 0 ~ +50°C (without heating function)			
Discharge temperature	-30 ~ +50°C (with heating function) -20 ~ +50°C (without heating function)			
Storage temperature	-20 ~ 30°C (12 months) 30 ~ 50°C (6 months)			
Relative humidity	4 ~ 100% RH (condensing)			
Max. operation altitude	3000 m			
Ingress protection	IP65			
Battery to Inverter	RS485 / CAN2.0			
Battery to battery / BMS	CAN2.0			
Master control capacity indicator	4 LED (25%, 50%, 75%, 100%)			
Master control LED indicator (working mode)	1 LED			
System switch (on / off)	Button × 1 + Breaker × 1			
Certifications	CE, IEC62619, IEC62040, UKCA, VDE2510, RoHS			
UN number	UN3480			
Hazardous materials classification	Class 9			
UN transportation testing requirements	UN 38.3			
Dimensions (W × H × D)	MC0600: 482.5 × 173.5 × 153 mm HV10230: 482.5 × 471.5 × 153 mm			
Net weight	MC0600: 7.5 kg + HV10230: 34.5 kg	MC0600: 7.5 kg + 2 × HV10230: 69 kg	MC0600: 7.5 kg + 3 × HV10230: 103.5 kg	MC0600: 7.5 kg + 4 × HV10230: 138 kg

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

② Max. charge / discharge current may be variant with different inverter models

③ 25 °C ±2°C, 0.5C/0.5C, 80% EOL > 5000 (10 years)