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 > 6000 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

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*V2.6.Information may be subject to modify without notice. 650.00011.00

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 energy①	2.8 kWh	5.5 kWh	8.3 kWh	11.0 kWh
Rated capacity	30 Ah			
Rated power	2.5 kW	5.1 kW	7.6 kW	10.2 kW
Max. power	3.1 kW	6.1 kW	9.2 kW	12.3 kW
Recommend charge / discharge current	25 A			
Max. charge / discharge current②	30 A			
Battery roundtrip efficiency	95%			
Cycle life [90% DOD]	> 6000 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