# 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

SOLAX POWER | BVB 09 PARTNER

# T-BAT H 3.0 V2




| | T-BAT H 3.0<br>T-BAT H 3.0 V2 | T-BAT H 6.0<br>T-BAT H 6.0 V2 | T-BAT H 9.0<br>T-BAT H 9.0 V2 | T-BAT H 12.0<br>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)<br>0 ~ +50°C (without heating function) | | | |
| Discharge temperature | -30 ~ +50°C (with heating function)<br>-20 ~ +50°C (without heating function) | | | |
| Storage temperature | -20 ~ 30°C (12 months)<br>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<br>HV10230: 482.5 × 471.5 × 153 mm | | | |
| Net weight | MC0600: 7.5 kg<br>+ HV10230: 34.5 kg | MC0600: 7.5 kg<br>+ 2 × HV10230: 69 kg | MC0600: 7.5 kg<br>+ 3 × HV10230: 103.5 kg | MC0600: 7.5 kg<br>+ 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