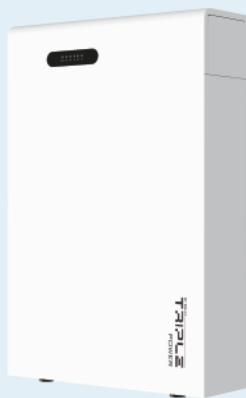
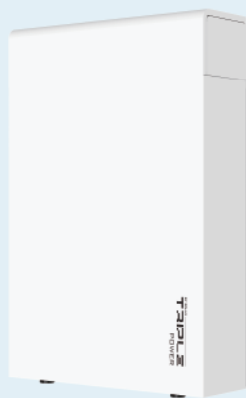


# High-voltage Battery System



T-BAT H 5.8(H) V3



HV11550(H) V3



Flexible Battery Heating

## T58

5.8kWh - 34.6kWh



## High Performance

- Max expandable to 6 units with 34.6kWh capacity for single cluster: cover more customer usage scenarios\*
- 95% Depth of Discharge (DOD): Delivers more usable energy over its lifetime
- Cycle life> 6000 cycles: Ultra-long lifespan, ensuring consistent performance and long-term reliability
- Flexible Heating: The T58-V3 features flexible two-level battery heating, designed to meet diverse user needs for optional performance



## Assured Reliability

- Aerosol fire suppression for precise protection
- IP66 Ingress protection
- No toxic heavy metals or caustic materials
- LFP battery cell & high-performance processors



## Smart Management

- Remote fault diagnosis, upgrade and maintenance: Rapid issue identification



## Flexible Adaptability

- Floor or wall mounting optional: fits multiple installation scenarios

\*Inverters with two battery ports: Max expandable to 12 units with 69.1kWh capacity

T-BAT H 5.8 V3/  
T-BAT H 5.8H V3

T-BAT H 11.5 V3/  
T-BAT H 11.5H V3

T-BAT H 17.3 V3/  
T-BAT H 17.3H V3

T-BAT H 23.0 V3/  
T-BAT H 23.0H V3

T-BAT H 28.8 V3/  
T-BAT H 28.8H V3

T-BAT H 34.6 V3/  
T-BAT H 34.6H V3

#### GENERAL INFORMATION

|                                      |               |             |             |             |             |             |
|--------------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|
| Nominal voltage                      | 115.2 V       | 230.4 V     | 345.6 V     | 460.8 V     | 576 V       | 691.2 V     |
| Operating voltage range              | 100 - 130 V   | 200 - 260 V | 300 - 390 V | 400 - 520 V | 500 - 650 V | 600 - 750 V |
| Nominal energy                       | 5.8 kWh       | 11.5 kWh    | 17.3 kWh    | 23.0 kWh    | 28.8 kWh    | 34.6 kWh    |
| Depth of discharge (DOD)             | 95%           |             |             |             |             |             |
| Usable energy (95% DOD)①             | 5.5 kWh       | 10.9 kWh    | 16.4 kWh    | 21.9 kWh    | 27.4 kWh    | 32.9 kWh    |
| Rated charge / discharge power       | 2.9 kW        | 5.8 kW      | 8.6 kW      | 11.5 kW     | 14.4 kW     | 17.3 kW     |
| Max. charge / discharge power        | 4 kW          | 8.1 kW      | 12.1 kW     | 16.1 kW     | 20.2 kW     | 24.2 kW     |
| Recommend charge / discharge current | 25 A          |             |             |             |             |             |
| Max. charge / discharge current②     | 35 A          |             |             |             |             |             |
| Cycle life (95% DOD)③                | > 6000 Cycles |             |             |             |             |             |
| Warranty                             | 10 Years      |             |             |             |             |             |

#### ENVIRONMENTAL REQUIREMENTS

|                         |                                                                         |
|-------------------------|-------------------------------------------------------------------------|
| Charge temperature      | 0 ~ 55°C (Off heating function)<br>-30 ~ 55°C (On heating function) ④   |
| Discharge temperature   | -20 ~ 55°C (Off heating function)<br>-30 ~ 55°C (On heating function) ④ |
| Cooling concept         | Natural                                                                 |
| Storage temperature     | -20 ~ 30°C (12 months)<br>30 ~ 55°C (6months)                           |
| Relative humidity       | 4 ~ 100% (Condensing)                                                   |
| Max. operating altitude | 2000 m                                                                  |
| Installation type       | Wall mounting / Floor mounting                                          |
| Ingress protection      | IP66                                                                    |
| Environment             | Outdoor / indoor                                                        |

#### BATTERY MODULE (BMS+PACK)

|                        |                    |
|------------------------|--------------------|
| Model                  | T-BAT H 5.8(H) V3  |
| Dimensions (W x H x D) | 474 x 715 x 150 mm |
| Net weight             | 61.5 (±1) kg       |

#### BATTERY MODEL

|                        |                    |
|------------------------|--------------------|
| Battery model          | HV11550 (H) V3     |
| Battery type           | LFP                |
| Scalability            | 1~5                |
| Module capacity        | 5.8 kWh            |
| Dimensions (W x H x D) | 474 x 715 x 150 mm |
| Net weight             | 59.5 (±1) kg       |

#### COMMUNICATION

|                          |                 |
|--------------------------|-----------------|
| Communication interfaces | CAN 2.0 + RS485 |
|--------------------------|-----------------|

#### STANDARD

|                                    |                                                                               |
|------------------------------------|-------------------------------------------------------------------------------|
| Hazardous materials classification | Class 9                                                                       |
| Transport testing requirement      | UN38.3                                                                        |
| Protection class                   | Class I                                                                       |
| Certifications                     | IEC62619 / IEC63056 / IEC60730 / IEC62040 / IEC61000-1&-3 / EN62477 / VDE2510 |

① Test conditions: 95% DOD, 0.2C charge & discharge @+25°C

② Current is affected by the number of batteries connected in parallel as well as temperature and SOC

③ Test conditions: 25°C±2°C, 0.5C charge & discharge, 70%EOL

④ Discharge: In case of battery cell's temperature range of -20°C~10°C and 45°C~55°C, the discharge current will be reduced; Charge: In case of battery cell's temperature range of 0°C~25°C and 45°C~55°C, the charge current will be reduced. Product charge or discharge power depends on the actual temperature of battery pack.

⑤ The battery can only be discharged and can not be charged when the battery cell's temperature range is between -20°C and 0°C