

High-voltage Battery System



T-BAT H 5.8 V3

HV11550-A V3

T-BAT H 5.8 V3

5.8kWh ~ 34.6kWh



High Performance

- Max expandable to 6 units with 34.6kWh capacity for single cluster: cover more customer usage scenarios*
- Cycle life > 6000 cycles: Ultra-long lifespan, ensuring consistent performance and long-term reliability



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 11.5 V3	T-BAT H 17.3 V3	T-BAT H 23.0 V3	T-BAT H 28.8 V3	T-BAT H 34.6 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)	Max.100 % DOD (settable) ^①					
Usable energy (95% DOD) ^②	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 current ^③	35 A					
Cycle life (95% DOD) ^④	> 6000 Cycles					
Warranty	10 Years					
ENVLRONMENTAL REQUREMENTS						
Charge temperature	0 ~ 55°C					
Discharge temperature	-20 ~ 55°C					
Cooling concept	Natural					
Storage temperature	-20 ~ 30°C (12 months) 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 V3					
Dimensions (W x H x D)	474 x 715 x 150 mm					
Net weight	61.5 (±1) kg					
BATTERY MODEL						
Battery model	HV11550-A 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 Actual available DoD depends on the compatible inverter model and system configuration

② Test conditions: 95% DOD, 0.2C charge & discharge @+25°C

③ Current is affected by the number of batteries connected in parallel as well as temperature and SOC

④ Test conditions: 25°C±2°C,0.5C charge & discharge,70%EOL

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