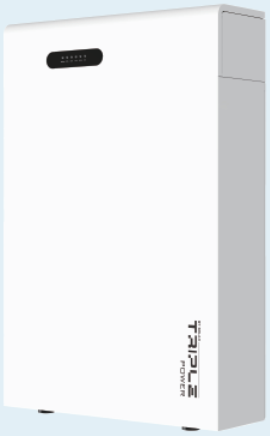
High-voltage Battery System



T-BAT H 5.8(H) V3



HV11550(H) V3



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*

SOLAX POWER | BVB 09 PARTNER

	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					

ENVLRONMENTAL REQULREMENTS	
Charge temperature	0 ~ 55°C (Off heating function) -30 ~ 55°C (On heating function) ④
Discharge temperature	-20 ~ 55°C (Off heating function) -30 ~ 55°C (On heating function) ④
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(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