High-voltage Battery System



T-BAT H 5.8

(Master)



T-BAT H 5.8 V2

(Master)



HV11550 / HV11550 V2

(Slave)

High Performance

- 90% depth of discharge (DOD)
- Cycle life>6000 cycles

Assured Reliability

- LFP battery cell & high-performance processors
- IP65 protection rating
- No toxic heavy metals or caustic materials

Smart Management

- Remote fault diagnosis, upgrade and maintenance

Flexible Adaptability

- Floor or wall mounting optional

V2.9.2 Information may be subject to modify without notice.650.00012.00

	T-BAT H 5.8 T-BAT H 5.8 V2	T-BAT H 11.5 T-BAT H 11.5 V2	T-BAT H 17.3 T-BAT H 17.3 V2	T-BAT H 23.0 T-BAT H 23.0 V2
NOMINAL CHARACTER				
Nominal voltage	115.2 V	230.4 V	345.6 V	460.8 V
Operating voltage	100 ~ 131 V	200 ~ 262 V	300 ~ 393 V	400 ~ 524 V
Battery type	LFP			
Total capacity	5.8 kWh	11.5 kWh	17.3 kWh	23.0 kWh
Usable capacity①	5.1 kWh	10.4 kWh	15.5 kWh	20.7 kWh
Battery roundtrip efficiency	95%			
Rated power	2.8 kW	5.7 kW	8.6 kW	11.5 kW
Max power	4.0 kW	8.0 kW	12.0 kW	16.1 kW
Recommend charge / discharge current	25 A			
Max charge / discharge current	35 A			
Short circuit current	760 A			
Cycle life	> 6000 cycles			
Warranty	10 years			
ENVIRONMENT REQUIREMENT				
Operating temperature	Charge: 0 ~ 55°C / Discharge: -10 ~ 55°C			
Storage temperature	-20 ~ 30°C (12 months) , 30 ~ 55°C (6 months)			
Relative humidity	4 ~ 100% RH (condensing)			
Altitude	< 2000 m			
Ingress protection	IP65			
COMMUNICATION				
System to inverter	CAN2.0			
Battery to battery / BMS	RS485			
Data collection port / FW update	CAN2.0			
Master control working mode indicator	1 LED			
Master control capacity indicator	4 LED (25%, 50%, 75%, 100%)			
Battery module LED	2 LED			
Reset	Button			
Switch ON / OFF	Button × 1 + breaker × 1			
STANDARD				
Safety (V1)	CE, IEC 62619, UKCA, VDE2510, JIS-C 8715, UL1973, FCC, REACH			
Safety (V2)	CE, IEC 62040, IEC 62619, UKCA, VDE2510, RoHS, REACH			
UN number	UN3480			
Hazardous materials classification	Class 9			
Transport testing requirement	UN38.3			
GENERAL				
Dimensions (L × W × H)	474 × 193 × 708 mm	474 × 193 × 708 mm + 474 × 193 × 647 mm	474 × 193 × 708 mm + (474 × 193 × 647 mm) × 2	474 × 193 × 708 mm + (474 × 193 × 647 mm) × 3
Weight	72.2 kg	72.2 kg + 68.5 kg	72.2 kg + 68.5 kg × 2	72.2 kg + 68.5 kg × 3

① Test conditions: 90% DOD, 0.2C charge & discharge @+25°C

* X3 Hybrid inverter can connect 2-4pcs of T58 batteries (1pc of T58 master, and rest 1-3pcs of T58 slave)
* X1 Hybrid inverter can connect 1-3pcs of T58 batteries (1pc of T58 master, without T58 slave, or with 1-2pcs of T58 slave)
* With BMS Parallel Box-II, the maximum battery quantity connected on each inverter varies, please kindly check datasheet of BMS Parallel Box-II
* Maximum charge/discharge current may be variant with different inverter models
* Maximum charge/discharge current may be variant at different temperature and SOC
* HV11550 V1 and HV11550 V2 share the same appearance

*Manufactured in China