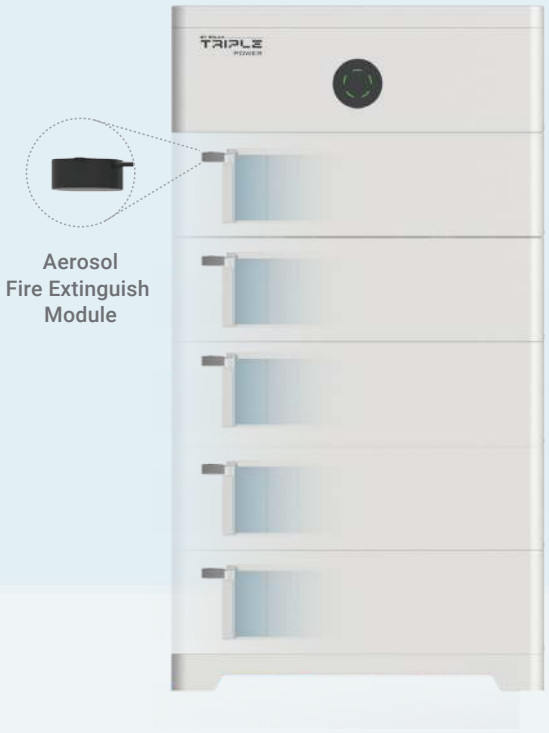
High-voltage Battery System



T-BAT-SYS-HV-S3.6

7.37 kWh ~ 47.92 kWh

Smart Management

- Remote fault diagnosis, upgrade and maintenance

Assured Reliability

- LFP battery cell & high-performance processors
- IP65 Ingress protection
- Soft start to protect from a sudden surge
- Aerosol fire suppression for precise protection

High Performance

- 7.3 - 47.9 kWh wide capacity range
- Max. 50A charging / discharging current
- Cycle life > 6000 cycles

Flexible Adaptability

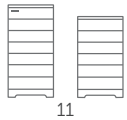
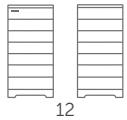
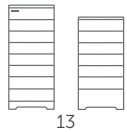
- Supports battery expansion
- Stackable modules, plug and play design
- With TCBox-70, supports up to three battery towers; with battery expansion cables, supports up to two battery towers①

①Selection should be based on the inverter's actual compatibility

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V1.85. Information may be subject to modify without notice. 650.00032.00.EN-AU

	T-BAT HS7.2	T-BAT HS10.8	T-BAT HS14.4	T-BAT HS18.0	T-BAT HS21.6	T-BAT HS25.2
Number of modules	 2	 3	 4	 5	 6	 7
GENERAL INFORMATION						
Nominal voltage	102.4 d.c. V	153.6 d.c. V	204.8 d.c. V	256.0 d.c. V	307.2 d.c. V	358.4 d.c. V
Operating voltage range	90 - 116 d.c. V	135 - 174 d.c. V	180 - 232 d.c. V	225 - 290 d.c. V	270 - 349 d.c. V	315 - 406 d.c. V
Nominal energy	7.3 kWh	11.0 kWh	14.7 kWh	18.4 kWh	22.1 kWh	25.8 kWh
Usable energy (90% DOD)①	6.6 kWh	10.0 kWh	13.3 kWh	16.6 kWh	19.9 kWh	23.2 kWh
Rated charge / discharge power	3.5 kW	5.3 kW	7.1 kW	8.9 kW	10.7 kW	12.5 kW
Max. charge / discharge power	5.1 kW	7.6 kW	10.2 kW	12.8 kW	15.3 kW	17.9 kW
Dimensions (W x H x D)	510 × 522 × 365 mm	510 × 659.5 ×365 mm	510 × 797 × 365 mm	510 × 934.5 × 365 mm	510 × 1072 × 365 mm	510 × 1209.5 × 365 mm

	T-BAT HS28.8	T-BAT HS32.4	T-BAT HS36.0	T-BAT HS39.6	T-BAT HS43.2	T-BAT HS46.8
Number of modules	 8	 9	 10	 11	 12	 13
GENERAL INFORMATION						
Nominal voltage	409.6 d.c. V	460.8 d.c. V	512.0 d.c. V	563.2 d.c. V	614.4 d.c. V	665.6 d.c. V
Operating voltage range	360 - 465 d.c. V	405 - 522 d.c. V	450 - 580 d.c. V	495 - 636 d.c. V	540 - 695 d.c. V	585 - 750 d.c. V
Nominal energy	29.4 kWh	33.1 kWh	36.8 kWh	40.5 kWh	44.2 kWh	47.9 kWh
Usable energy (90% DOD)①	26.5 kWh	29.9 kWh	33.2 kWh	36.5 kWh	39.8 kWh	43.1 kWh
Rated charge / discharge power	14.3 kW	16.1 kW	17.9 kW	19.7 kW	21.5 kW	23.3 kW
Max. charge / discharge power	20.4 kW	23.0 kW	25.6 kW	28.1 kW	30.7 kW	33.2 kW
Dimensions (W x H x D)	510 × 1347 × 365 mm	510 × 1484.5 × 365 mm	510 × 1622 × 365 mm	510 × 1072 × 365 mm + 510 × 934.5 × 365 mm	510 × 1072 × 365 mm + 510 × 1072 × 365 mm	510 × 1209.5 × 365 mm + 510 ×1072 × 365 mm

GENERAL INFORMATION	
Depth of discharge (DOD)	90%
Recommend charge / discharge current	35 A
Max. charge / discharge current②	50 A
Cycle life (90% DOD)③	> 6000 Cycles
ENVIRONMENT LIMIT	
Charge temperature	0 - +53°C
Discharge temperature	-20 - +53°C
Storage temperature	-20°C - +30°C (12 months) +30°C - +50°C (6 months)
Relative humidity	4 - 100% RH (condensing)
Max. operating altitude	3000 m
Ingress protection	IP65
BMS	
Model	TBMS - MCS0800
Dimensions (W x H x D)	510 × 157 × 365 mm
Net weight	13 (±0.5) kg
BATTERY MODULE	
Battery model	TP-HS36
Battery type	LFP
Module capacity	3.6 kWh
Dimensions (W x H x D)	510 × 152 × 365 mm
Net weight	34 (±1) kg
Series box	
Dimensions (W x H x D):	510 × 157 × 365 mm
Net weight	10 (±0.5) kg
COMMUNICATION	
Communication interfaces	CAN2.0 / RS485
STANDARD	
Certifications	IEC62619, IEC60730, IEC62040, CE, UN38.3, UL9540A④

① Test conditions: 90% 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±2°C,0.5C charge & discharge,70% EOL
④ UL9540A certification coming soon

*Manufactured in China