

NEW FROM SOLAX

**T-BAT-SYS-HV-S2.5**



## T-BAT-SYS-HV-S2.5

T-BAT HS5.0/T-BAT HS7.5/T-BAT HS10.0  
T-BAT HS12.5/T-BAT HS15.0/T-BAT HS17.5  
T-BAT HS20.0/T-BAT HS22.5/T-BAT HS25.0  
T-BAT HS27.5/T-BAT HS30.0/T-BAT HS32.5

## Features

### HIGH-PERFORMANCE

- Max. 50A continuous charging and discharging current
- Unique battery heating technology, which is capable to work at low temperature

### SAFE AND RELIABLE

- Reliable LFP battery cell
- IP65 for both indoor and outdoor installation
- Soft start protecting batteries and inverters from a sudden surge
- Cycle life > 6000 times

### FLEXIBILITY

- 5.1-33.2kWh Wide capacity range
- Extendable during lifetime

### EASY INSTALLATION

- Stackable modules, easy and fast for single person installation
- Pre-wired communication cables for plug and play
- Remote diagnosis and update via inverter

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### Contact Us for More Informations

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# T-BAT-SYS-HV-S2.5

T-BAT HS5.0

T-BAT HS7.5

T-BAT HS10.0

T-BAT HS12.5

T-BAT HS15.0

T-BAT HS17.5

Technical Specification



2 modules



3 modules



4 modules



5 modules



6 modules



7 modules

Nominal Energy [kWh]	5.12	7.68	10.24	12.80	15.36	17.92
Usable Energy (90% DOD) <sup>①</sup> [kWh]	4.6	6.9	9.2	11.5	13.8	16.1
Nominal Voltage [V]	102.4	153.6	204.8	256.0	307.2	358.4
Operating Voltage Range [V]	90 - 116	135 - 174	180 - 232	225 - 290	270 - 349	315 - 406
Recommend Charge / Discharge Current <sup>②</sup> [A]	30					
Max. Charge / Discharge Current <sup>②*</sup> [A]	50					
Nominal Power <sup>③</sup> [kW]	3.0	4.6	6.1	7.6	9.2	10.7
Max. Power <sup>③*</sup> [kW]	5.1	7.6	10.2	12.8	15.3	17.9
Depth of Discharge [%]	90					
Communication interface	RS485, CAN					
Dimension (Lx W x H) [mm]	510 x 365 x 522	510 x 365 x 659.5	510 x 365 x 797	510 x 365 x 934.5	510 x 365 x 1072	510 x 365 x 1209.5

T-BAT HS20.0

T-BAT HS22.5

T-BAT HS25.0

T-BAT HS27.5

T-BAT HS30.0

T-BAT HS32.5

Technical Specification



8 modules



9 modules



10 modules



11 modules



12 modules



13 modules

Nominal Energy [kWh]	20.48	23.04	25.60	28.16	30.72	33.28
Usable Energy (90% DOD) <sup>①</sup> [kWh]	18.4	20.7	23.0	25.3	27.6	29.9
Nominal Voltage [V]	409.6	460.8	512.0	563.2	614.4	665.6
Operating Voltage Range [V]	360 - 465	405 - 522	450 - 580	495 - 636	540 - 695	585 - 750
Recommend Charge / Discharge Current <sup>②</sup> [A]	30					
Max. Charge / Discharge Current <sup>②*</sup> [A]	50					
Nominal Power <sup>③</sup> [kW]	12.2	13.8	15.3	16.8	18.4	19.9
Max. Power <sup>③*</sup> [kW]	20.4	23	25.6	28.1	30.7	33.2
Depth of Discharge [%]	90					
Communication interface	RS485, CAN					
Dimension (Lx W x H) [mm]	510 x 365 x 1347	510 x 365 x 1484.5	510 x 365 x 934.5 + 510 x 365 x 934.5	510 x 365 x 1072 + 510 x 365 x 934.5	510 x 365 x 1072 + 510 x 365 x 1072	510 x 365 x 1209.5 + 510 x 365 x 1072

## T-BAT HS5.0~T-BAT HS32.5

**BMS**

Model	TBMS-MCS0800
Dimensions (Lx W x H) [mm]	510 x 365 x 157
Weight [kg]	13

**Battery Module**

Battery Model	TP-HS25
Battery Type	Li-ion (LFP)
Battery Module [kWh]	2.5
Dimensions (Lx W x H) [mm]	510 x 365 x 152
Weight [kg]	30
Installation Type	Stackable Level Package

**SERIES BOX**

Dimensions (L x W x H) [mm]	510 x 365 x 157
Weight [kg]	10

**GENERAL SPECIFICATION**

Installation	Floor Stand
Charge / Discharge Temperature Range (Without heating) [°C]	0 to 53 (Charge) / -20 to 53 (Discharge)
Charge / Discharge Temperature Range (With heating) [°C]	-30 to 53 (Charge / Discharge)
Max. Operating Altitude [m]	< 3000
Environment	Outdoor / Indoor (*Please refer to the user manual for installation condition)
Protection Degree	IP65
Relative Humidity [%]	4 - 100 (Condensing)

**STANDARD AND CERTIFICATION**

Certification	IEC62619, IEC60730, IEC62040, CE, UN38.3
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① Test conditions: 90% DOD, 0.2C charger & discharger @+25 °C

② Max. charge / discharge current may be variant with different inverter models

③ Recommend / Max. Charging / Discharging Current\* / Nominal / Max. Power\*: Recommend / Max. charging/discharging current and Nominal / Max. power derating will occur related to Temperature and SOC.