BY SOLAX TRIPLE POWER

# 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. 45A 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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# T-BAT-SYS-HV-S2.5

| Technical Specification | T-BAT HS5.0 | T-BAT HS7.5 | T-BAT HS10.0 | T-BAT HS12.5 | T-BAT HS15.0 | T-BAT HS17.5 |
|---|---|---|---|---|---|---|
| |  2 modules |  3 modules |  4 modules |  5 modules |  6 modules |  7 modules |
| Nominal Capacity [kWh] | 5.1 | 7.6 | 10.2 | 12.8 | 15.3 | 17.9 |
| Usable Energy (90% DOD)① [kWh] | 4.6 | 6.9 | 9.2 | 11.5 | 13.8 | 16.1 |
| Nominal voltage [V] | 102.4 | 153.6 | 204.8 | 256 | 307.2 | 358.4 |
| Operating voltage range [V] | 90-116 | 135-174 | 180-232 | 225-290 | 270-349 | 315-406 |
| Recommend Charge / Discharge Current③ [A] | 30 | | | | | |
| Max. Charge / Discharge Current②③ [A] | 45 | | | | | |
| Nominal Power③ [kW] | 3.0 | 4.6 | 6.1 | 7.6 | 9.2 | 10.7 |
| Max. Power③ [kW] | 4.6 | 6.9 | 9.2 | 11.5 | 13.8 | 16.1 |
| Depth of Discharge [%] | 90 | | | | | |
| Communication interface | RS485, CAN | | | | | |
| Dimension (L× W × H) [mm] | 510 × 365 × 498 | 510 × 365 × 635 | 510 × 365 × 773 | 510 × 365 × 910 | 510 × 365 × 1048 | 510 × 365 × 1185 |

| Technical Specification | T-BAT HS20.0 | T-BAT HS22.5 | T-BAT HS25.0 | T-BAT HS27.5 | T-BAT HS30.0 | T-BAT HS32.5 |
|---|---|---|---|---|---|---|
| |  8 modules |  9 modules |  10 modules |  11 modules |  12 modules |  13 modules |
| Nominal Capacity [kWh] | 20.4 | 23 | 25.6 | 28.1 | 30.72 | 33.2 |
| Usable Energy (90% DOD) [kWh] | 18.4 | 20.7 | 23.0 | 25.3 | 27.6 | 29.9 |
| Nominal voltage [V] | 409.6 | 460.8 | 512 | 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 [A] | 30 | | | | | |
| Max. Charge / Discharge Current [A] | 45 | | | | | |
| Nominal Power [kW] | 12.2 | 13.8 | 15.3 | 16.8 | 18.4 | 19.9 |
| Max. Power [kW] | 18.4 | 20.7 | 23.0 | 25.3 | 27.6 | 29.9 |
| Depth of Discharge [%] | 90 | | | | | |
| Communication interface | RS485, CAN | | | | | |
| Dimension (L× W × H) [mm] | 510 × 365 × 1323 | 510 × 365 × 1460 | 510 × 365 × 910 + 510 × 365 × 910 | 510 × 365 × 1048 + 510 × 365 × 910 | 510 × 365 × 1048 + 510 × 365 × 1048 | 510 × 365 × 1185 + 510 × 365 × 1048 |

| | T-BAT HS5.0~T-BAT HS32.5 |
|---|---|
| **BMS** | |
| Model | TBMS-MCS0800 |
| Dimensions (L× W × H) [mm] | 510 × 365 × 157 |
| Weight [kg] | 10 |
| **BATTERY MODULE** | |
| Battery Model | TP-HS2.5 |
| Battery Type | Li-ion (LFP) |
| Battery Module [kWh] | 2.5 |
| Dimensions (L× W × H) [mm] | 510 × 365 × 152 |
| Weight [kg] | 28 |
| **SERIES BOX** | |
| Dimensions (L × W × H) [mm] | 510 × 365 × 152 |
| Weight [kg] | 8.8 |
| **GENERAL SPECIFICATION** | |
| Installation | Floor stand |
| Charge/discharge Temperature Range [°C ] | 0 to 53 (charge) (Without build-in heating function)<br>-20 to 53 (discharge)<br>-30 to 53 (charge/discharge)(Build-in heating function) |
| Max.operating altitude [m] | < 3000 |
| Environment | Outdoor / Indoor (*Please refer to the user manual for installation condition) |
| Protection Degree | IP65 |
| Relative humidity [%] | 5-95%RH (non-condensing) |
| **STANDARD AND CERTIFICATION** | |
| Certification | IEC62619, IEC60730, IEC62040, CE, UN38.3 |

①Test conditions: 90% DOD, 0.2C charger & discharger @+25 °C
②Max. charge / discharge current may be variant with different inverter models
③Recommend / Max. Charging / Discharging Current* / Nominal / Max. Power*: Recommend / Max. charging/discharging current and Nominal / Max. power derating will occur related to Temperature and SOC.

Preliminary