




## T-BAT-SYS-HV-S3.6

T-BAT HS7.2/T-BAT HS10.8/T-BAT HS14.4
T-BAT HS18.0/T-BAT HS21.6/T-BAT HS25.2
T-BAT HS28.8/T-BAT HS32.4/T-BAT HS36.0
T-BAT HS39.6/T-BAT HS43.2/T-BAT HS46.8

## 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

- 7.3-47.9kWh 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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BY SOLAX TRIPLE POWER

# T-BAT-SYS-HV-S3.6

| Technical Specification | T-BAT HS7.2 | T-BAT HS10.8 | T-BAT HS14.4 | T-BAT HS18.0 | T-BAT HS21.6 | T-BAT HS25.2 |
|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |
| | 2 modules | 3 modules | 4 modules | 5 modules | 6 modules | 7 modules |
| Nominal Capacity [kWh] | 7.3 | 11.0 | 14.7 | 18.4 | 22.10 | 25.8 |
| Usable Energy (90% DOD)① [kWh] | 6.5 | 9.9 | 13.2 | 16.5 | 19.8 | 23.2 |
| 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 Current②③ [A] | 35 | | | | | |
| Max. Charge / Discharge Current②③ [A] | 50 | | | | | |
| Nominal Power③ [kW] | 3.5 | 5.3 | 7.1 | 8.9 | 10.7 | 12.5 |
| Max. Power③ [kW] | 5.1 | 7.6 | 10.2 | 12.8 | 15.3 | 17.9 |
| Depth of Discharge [%] | 90 | | | | | |
| Communication interface | RS485, CAN | | | | | |
| Dimension (L× W × H) [mm] | 510 × 365 × 508 | 510 × 365 × 645 | 510 × 365 × 783 | 510 × 365 × 920 | 510 × 365 × 1058 | 510 × 365 × 1195 |
| Weight [kg] | 77 | 110.5 | 144 | 177.5 | 211 | 244.5 |

| Technical Specification | T-BAT HS28.8 | T-BAT HS32.4 | T-BAT HS36.0 | T-BAT HS39.6 | T-BAT HS43.2 | T-BAT HS46.8 |
|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |
| | 8 modules | 9 modules | 10 modules | 11 modules | 12 modules | 13 modules |
| Nominal Capacity [kWh] | 29.4 | 33.1 | 36.8 | 40.5 | 44.2 | 47.9 |
| Usable Energy (90% DOD) [kWh] | 26.4 | 29.7 | 33.1 | 36.4 | 39.7 | 43.1 |
| 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] | 35 | | | | | |
| Max. Charge / Discharge Current [A] | 50 | | | | | |
| Nominal Power [kW] | 14.3 | 16.1 | 17.9 | 19.7 | 21.5 | 23.2 |
| Max. Power [kW] | 20.4 | 23.0 | 25.6 | 28.1 | 30.7 | 33.2 |
| Depth of Discharge [%] | 90 | | | | | |
| Communication interface | RS485, CAN | | | | | |
| Dimension (L× W × H) [mm] | 510 × 365 × 1333 | 510 × 365 × 1470 | 510 × 365 × 920 + 510 × 365 × 920 | 510 × 365 × 1058 + 510 × 365 × 920 | 510 × 365 × 1058 + 510 × 365 × 1058 | 510 × 365 × 1195 + 510 × 365 × 1058 |
| Weight [kg] | 278 | 311.5 | 353.8 | 387.3 | 420.8 | 454.3 |

## T-BAT HS7.2~T-BAT HS46.8

| | |
|---|---|
| **BMS** | |
| Model | TBMS-MCS0800 |
| Dimensions (L× W × H) [mm] | 510 × 365 × 157 |
| Weight [kg] | 10 |
| **BATTERY MODULE** | |
| Battery Model | TP-HS3.6 |
| Battery Type | Li-ion (LFP) |
| Battery Module [kWh] | 3.6 |
| Dimensions (L× W × H) [mm] | 510 × 365 × 152 |
| Weight [kg] | 33.5 |
| **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.

*V1.2 Information may be subject to modify without notice.*