



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 Current③ [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

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

	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) -20 to 53 (discharge) -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