

BY SOLAX

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POWER

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T-BAT-SYS-HV-S3.6



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

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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

Contact Us for More Informations

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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

Technical Specification



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 Current ^② [A]	35					
Max. Charge / Discharge Current ^{②③} [A]	50					
Nominal Power ^④ [kW]	3.5	5.3	7.1	8.9	10.7	12.5
Max. Power ^④ [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 508	510 x 365 x 645	510 x 365 x 783	510 x 365 x 920	510 x 365 x 1058	510 x 365 x 1195

T-BAT HS28.8

T-BAT HS32.4

T-BAT HS36.0

T-BAT HS39.6

T-BAT HS43.2

T-BAT HS46.8

Technical Specification



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 (Lx W x H) [mm]	510 x 365 x 1333	510 x 365 x 1470	510 x 365 x 920 + 510 x 365 x 920	510 x 365 x 1058 + 510 x 365 x 920	510 x 365 x 1058 + 510 x 365 x 1058	510 x 365 x 1195 + 510 x 365 x 1058

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

BMS

Model	TBMS-MCS0800
Dimensions (Lx W x H) [mm]	510 x 365 x 157
Weight [kg]	10

BATTERY MODULE

Battery Model	TP-HS3.6
Battery Type	Li-ion (LFP)
Battery Module [kWh]	3.6
Dimensions (Lx W x H) [mm]	510 x 365 x 152
Weight [kg]	33.5

SERIES BOX

Dimensions (L x W x H) [mm]	510 x 365 x 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
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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.