BY SOLAX TRIPLE POWER

NEW FROM SOLAX

T-BAT-SYS-HV-S2.5





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

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

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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) -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