

NEW FROM SOLAX

HS50E-D



HS50E-D

Features

High Performance

- Max. 50A charge/discharge current
- -30°C to 53°C operational range with advanced heating technology
- Higher SOC/SOH accuracy through AI battery model algorithms
- Automotive-grade cell sampling chips for superior stability and safety

Safety & Reliability

- Certified IP66 for outstanding protection
- Cobalt-free LFP battery: safe, long-lasting, efficient, high energy density
- A robust cycle life of over 6,000 times, ensuring longevity and reliability

Flexibility

- Modular design, flexible expansion
- Start with 5.12kWh, expand up to 92.16kWh

Easy Installation & Compatibility

- Lightweight, compact, and easy to set up
- Available in wall-mounted or floor-mounted options
- Fit a wide range of SolaX single and three-phase inverters

Smart Management

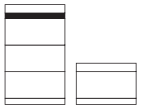
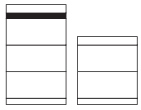
- AI-driven real-time monitoring and battery fault diagnosis
- Continuous OTA one-click upgrade

info@solaxpower.com
service@solaxpower.com

For more information, please contact us

www.solaxpower.com
AU: +61 1300 476529
DE: +49 6142 4091664
Global: +86 571-56260008
UK: +44 2476 586998
NL:+31 (0) 852 737932

HS50E-D

	T-BAT HS 5	T-BAT HS 10	T-BAT HS 15	T-BAT HS 20	T-BAT HS 25	T-BAT HS 30
Technical specification	 1 Module	 2 Modules	 3 Modules	 4 Modules	 5 Modules	 6 Modules
Norminal capacity [kWh] [1]	5.1	10.2	15.3	20.4	25.6	30.7
Usable energy 90% DOD (kWh) [2]	4.6	9.2	13.8	18.4	23	27.6
Nominal voltage [V]	102.4	204.8	307.2	409.6	512	614.4
Operating voltage [V]	90-116	180-232	270-348	360-464	450-580	540-696
Recommend charge/discharge current (A) [3]	30	30	30	30	30	30
Max. charge/discharge current (A) [4]	50	50	50	50	50	50
Standard power [kW]	3	6.1	9.2	12.2	15.3	18.4
Max. power [kW]	5.1	10.2	15.3	20.4	25.6	30.7
Depth of discharge	90%					
Communication interface	RS485, CAN					
Dimensions (L × W × H) [mm]	730*150*558	730*150*876	730*150*1194	730*150*1194 730*150*491	730*150*1194 730*150*809	730*150*1194 730*150*1127
BMS						
Model	TBMS-MCS0800E-D					
Dimensions (L × W × H) [mm]	730*150*165					
Weight [kg]	9.7					
BATTERY MODULE						
Battery model	TP-HS50E					
Battery type	Li-ion (LFP)					
Battery module [kWh]	5.1					
Dimensions (L × W × H) [mm]	730*150*318					
Weight [kg]	47					
SERIES BOX						
Dimensions (L × W × H) [mm]	167*121*91.5					
Weight [kg]	1.3					
GENERAL SPECIFICATION						
Installation	Floor or wall mounting					
Charge / Discharge temperature range [℃][4]	0~ 53(charge) (Off heating function) -20~ 53 (discharge)(Off heating function) -30 ~ 53(charge/discharge) (In heating function)					
Max. operating altitude [m]	3000					
Environment	Outdoor / Indoor (*Please refer to the user manual for installation condition)					
Protection degree	IP66					
Relative humidity [%]	5-95 (No condensation)					
STANDARD AND CERTIFICATION						
Certification	CE,TUV(IEC62619),IEC 60730,IEC 62040,IEC63056, VDE 2510,IEC 60529:2013 (IP66)					

1. Test conditions: 100% DOD, 0.2 C charge & discharge @ +25°C.
2. 90% DOD; System usable energy may vary with inverter different setting.
3. The battery can only be discharged and can not be charged when the battery cell's temperature range is between -20°C and 0°C
4. Discharge: In case of battery cell's temperature range of -20°C ~ 10°C and 45°C ~ 53°C, the discharge current will be reduced; Charge: In case of battery cell's temperature range of 0°C ~ 25°C and 45°C ~ 53°C, the charge current will be reduced. Product charge or discharge power depends on the actual temperature of the battery cell.