



SOFAR

BTS 5K

5 kWh

Energy Storage Battery

- Modular ,Small size and easy installation
- Flexible battery capacity expansion
- Maximal battery energy with pack optimization
- Extremely low battery self-consumption in sleep mode



Datasheet

Battery Module	
Model	BTS 5K
Battery type	LFP
Battery Capacity	100AH
Battery module energy (kWh) ¹	5.12
Depth of discharge	0-90% adjustable
Usable energy (kWh) ²	4.75
Nominal power (W)	2500
Rated Voltage(V)	400
Voltage Range(V)	300-435
Rated Charge Current (A)	7
Rated Discharge Current (A)	7
Max. Charge Current (A)	7.5
Max. Discharge Current (A)	7.5
General Parameter	
Degree of protection	IP65
Ambient temperature range ³	Discharge:-10°C ~ 50°C,Charge:0y- 50°C
Allowable relative humidity range	5-95%
Max. operating altitude ⁴	4000 m
Weight (kg)	50
Dimension W*D*H (mm)	708*170*420
Power control unit	Transformer isolation
Communication	CAN
Standards	
EMC	EN 61000-6-1, EN 61000-6-3
Safety standards	UN38.3, IEC62619, IEC 62040
Country of Manufacture	China

¹ Test conditions: 0.2C charge/discharge at 25°C, 100% DoD.

² Based on the battery cell.

³ Please refer to the temperature derating curve.

⁴ If the altitude is >2000 m, derating is required. Please refer to the derating curve.

* All specifications are subject to change without notice.