

Lithium storage system

SOFAR BTS E5...E20-D5

NEW

Solar Lithium storage system 48V 5 / 10 / 15 / 20kWh

SOFARSOLAR's newest low-voltage battery system consists of up to 4 LiFePO4 battery modules, and one battery distribution unit.

The battery capacity can easily be expanded through the system's modular, stackable design. In combination with click-to-connect cables, installation is both fast and user-friendly. Up to two systems can be connected in parallel, amounting to 40 kWh of energy storage capacity.

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lithium

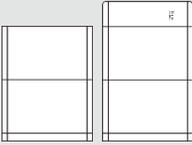
The BTS series is compatible with SOFARSOLAR's HYD 5K–20KTL hybrid and ME 5K–20KTL battery inverter series.



Properties

-  Modular and integrated design for easy transportation and installation
-  Flexible battery capacity expansion
-  User-friendly one-button battery operation
-  Maximal battery energy with pack optimization
-  Extremely low battery selfconsumption in sleep mode
-  Energy storage specially for ME / HYD 5...20KTL-3PH inverters
-  10 year manufacturer warranty

Specifications

Model	BTS E5-DS5	BTS E10-DS5	BTS E10-DS5	BTS E20-DS5
System				
Battery type	LFP			
Battery distribution unit	BTS 5K-BDU			
Number of battery distribution units	1			
Battery module	BTS 5K			
Number of battery modules	1	2	3	4
Battery total energy (kWh) ¹	5.12	10.24	15.36	20.48
Usable energy (kWh) ²	4.75	9.5	14.25	19
Rated power (W)	2.5	5	7.5	10
Rated voltage (V)	400			
Voltage range for full load (V)	350-425			
Rated charge/discharge current (A)	7	14	21	28
Degree of protection	IP65			
Ambient temperature range ³	-10°C – 50°C			
Allowable relative humidity range	5 – 95%			
Max. operating altitude ⁴	4000m			
Weight (kg)	59	110	161	212
Dimensions (mm)	708x170x680	708x170x1100	708x170x1520	708x170x900 708x170x1100
Installation	Floor stand			
Cooling	Natural			
Display	LED indicators			
Communication	CAN			
Compatible inverters	Please refer to the BTS E5 ... 20-DS5 configuration list			

Battery Module	
Model	BTS 5K
Battery module energy (kWh) ¹	5.12
Depth of discharge (DOD)	90.0%
Rated power (W)	2500
Dimensions (mm) (WxDxH)	708x170x420
Weight (kg)	50

Battery Distribution Unit	
Model	BTS 5K-BDU
Max. charge/discharge current (A)	35
Dimensions (mm)	708x170x200
Weight (kg)	7.5

Standards	
Certificates	UN 38.3, IEC 62619, IEC 62040-1, SAA, etc.

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.