



INTELLIGENT ENERGY STORAGE

BTS E5...E20-D5

5 / 10 / 15 / 20 kWh

- 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 self-consumption in sleep mode
- Energy storage specially for ME / HYD 5...20KTL-3PH inverters





Datasheet

BTS E5-DS5

BTS E10-DS5

BTS E10-DS5

BTS E20-DS5

System Parameters				
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 (kW)	2.5	5	7.5	10
Rated voltage	400 V			
Voltage range for full load	350-425 V			
Rated charge/discharge current (A)	7	14	21	28
Degree of protection	IP65			
Ambient temperature range	-10°C ... 45°C			
Allowable relative humidity range	5-95%			
Max. operating altitude ³	4000 m			
Weight (kg)	59	110	161	212
Dimension (W*D*H)	708*170*680 mm	708*170*1100 mm	708*170*1520 mm	708*170*1940 mm
Installation	Floor stand			
Cooling	Natural			
Display	LED indicators			
Communication	CAN			
Warranty ⁴	10 years			
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	90.0%			
Rated power (W)	2500			
Dimension (W*D*H)	708*170*420 mm			
Weight (kg)	50			
Battery Distribution Unit				
Model	BTS 5K-BDU			
Max. charge/discharge current (A)	35			
Dimension (W*D*H)	708*170*200 mm			
Weight (kg)	7.5			
Standard				
Certificates	UN38.3, IEC62619, IEC62040-1, SAA, etc.			

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

² Based on the battery cell.

³ If the altitude is >2000 m, derating is required. Please refer to the derating curve.

⁴ For the specific warranty conditions, please refer to the SOFARSOLAR battery warranty document.