

BTS E5~E20-DS5

5 / 10 / 15 / 20 kWh

INTELLIGENT ENERGY STORAGE



Product advantages

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



Datasheet	BTS E5-DS5	BTS E5-DS5	BTS E5-DS5	BTS E5-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 ¹	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Usable energy ²	4.75kWh	9.5kWh	14.25kWh	19kWh
Nominal capacity	100Ah	200Ah	300Ah	400Ah
Rated power	2.5kW	5kW	7.5kW	10kW
Rated voltage	400V			
Voltage range for full load	350-425V			
Rated charge/discharge current	7A	14A	21A	28A
Degree of protection	IP65			
Ambient temperature range ³	-10°C ~ 50°C			
Allowable relative humidity range	5~95%			
Max. operating altitude ⁴	4000 m			
Weight	59kg	110kg	161kg	212kg
Dimension (W*H*D)	708*170*680mm	708*170*1100mm	708*170*1520mm	708*170*900mm + 708*170*1100mm
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 ¹	5.12kWh			
Rated power	2500W			
Dimension	708*170*420mm			
Weight	50kg			
Battery Distribution Unit				
Model	BTS 5K-BDU			
Max. charge/discharge current	35A			
Dimension (W*H*D)	708*170*200mm			
Weight	7.5kg			
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 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.