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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

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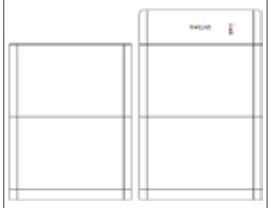
Datasheet	BTS E5-DS5	BTS E10-DS5	BTS E10-DS5	BTS E20-DS5
System Parameters				
System				
Battery type	LFP			
Battery distribution unit	BTS 5K-BDU			
Number of battery distribution units	1			
Battery module	BTS 5K			
Number of battery modules	1	2	3	4
Battery total energy (kWh)[1]	5.12	10.24	15.36	20.48
Usable energy (kW)[2]	4.75	9.5	14.25	19
Rated power (kW)	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]	4000 m			
Weight (kg)	59	110	161	212
Dimension (mm)	708*170*680	708*170*1100	708*170*1520	708*170*900 708*170*1100
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	90.0%			
Rated power (W)	2500			
Dimension (mm)	708*170*420			
Weight (kg)	50			
Battery Distribution Unit				
Model	BTS 5K-BDU			
Max. charge/discharge current (A)	35			
Dimension (mm)	708*170*200			
Weight (kg)	7.5			
Standard				
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.