

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



Model	BTS E5-DS5		BTS E10-DS5		BTS E15-DS5		BTS E20-DS5	
System Parameters								
System schematic								
Battery type[1]	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[2]	5.12kWh	10.24kWh	15.36kWh	20.48kWh				
Battery usable energy[3]	4.75kWh	9.5kWh	14.25kWh	19kWh				
Rated capacity	100Ah	200Ah	300Ah	400Ah				
Rated power	2.5kW	5kW	7.5kW	10kW				
Nominal voltage	400V							
Operating voltage range	350~435V							
Max. charging current	6A	12A	18A	24A				
Max. discharging current	7.5A	15A	22.5A	30A				
General Parameters								
Display	LED indicators							
Communication	CAN							
Dimension (W*H*D)	708*680*170mm	708*1100*170mm	708*1520*170mm	708*1940*170mm				
Weight	59kg	110kg	161kg	212kg				
Protection rating	IP65							
Cooling	Natural							
Operating temperature[4]	Charge: 0℃ ~ +50℃ / Discharge: -10℃ ~ +50℃							
Humidity	5~95%							
Installation	Floor Stand							
Max. operating altitude[5]	4000m							
Battery Module[6]								
Model	BTS 5K							
Battery module energy[2]	5.12kWh							
Nominal voltage	400V							
Nominal voltage	2500W							
Dimension (W*H*D)	708*420*170mm							
Weight	50kg							
Battery Distribution Unit								
Model	BTS 5K-BDU							
Max. charging/discharging current	35A							
Dimension (W*H*D)	708*200*170mm							
Weight	7.5kg							
Standard	UN38.3,IEC62619, IEC62040-1, etc.							
Deliverable parts								
Product ordering model[7]	BTS 5K, BTS 5K-BDU, BTS 5K-KIT (Optional)							

[1] Rechargeable Li-ion Battery system [2] Test conditions:0.2C charging/discharging at 25℃,100%DOD [3] Usable Energy is based on battery cell only  
[4] Refer to the temperature derating curve [5] If the altitude is >2000m, derating operation is required, refer to the derating curve [6] The internal battery pack is 51.2V, 100Ah  
[7] Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity , It is recommended to use the accessory kit BTS 5K-KIT (Optional) in the 20kWh system  
\*All specifications are subject to change without notice.