

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 Unit	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
Rated capacity	100Ah	200Ah	300Ah	400Ah
Rated power	2.5kW	5kW	7.5kW	10kW
Nominal voltage	400 Vdc			
Operating voltage range	350~435 Vdc			
Max. charging current	6A	12A	18A	24A
Max. discharging current	7.5A	15A	22.5A	30A
General Parameters				
Display	LED			
Communication	CAN			
Dimension(W*H*D)	708*680*170mm	708*1100*170mm	708*1520*170mm	708*1940*170mm
Weight	59kg	110kg	161kg	212kg
Enclosure Type	IP65			
Cooling	Natural			
Operating Temperature Range ^[3]	Charge: 0°C - +50°C / Discharge: -10°C - +50°C			
Humidity	5~95%			
Installation	Floor Stand			
Max. operating altitude ^[4]	4000m			
Battery Module ^[5]				
Model	BTS 5K			
Battery module energy	5.12kWh			
Nominal voltage	400 Vdc			
Rated power	2500W			
Dimension(W*H*D)	708*420*170mm			
Weight	50kg			
Battery Distribution Unit				
Model	BTS 5K-BDU			
Operating Voltage Range	350~435 Vdc			
Maximum Current	30 A			
Number of BTS 5K	1~4			
Protective Class	Class I			
Enclosure Type	IP65			
Dimension (W*H*D)	708*200*170mm			
Weight	7.5kg			
Ordering and Deliverable Part				
Product ordering mode ^[6]	BTS 5K, BTS 5K-BDU			

[1] Rechargeable Li-ion Battery system. [2] Test conditions: 0.2C charging/discharging at 25°C, 100% DOD. [3] Refer to the temperature derating curve. [4] If the altitude is >2000m, derating operation is required, refer to the derating curve. [5] The internal battery pack is 51.2V, 100Ah. [6] Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity. *All specifications are subject to change without notice.