

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	LFP[1]			
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*900*170mm 708*1100*170mm
Weight	59kg	110kg	161kg	212kg
Protection rating	IP65			
Cooling	Natural			
Operating temperature[4]	Charge: 0°C - +50°C / Discharge: -10°C - +50°C			
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 power	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°C, 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.