

BTS E5-20-DS5

5 / 10 / 15 / 20 kWh

Smart battery



- ▶ SOAFR battery distribution unit
- ▶ SOFAR Battery



User-friendly

- Modular design and stacked installation, plug and play
- Extendable by mixing new and existing batteries
- One-button battery operation



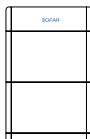
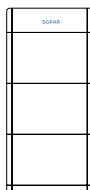
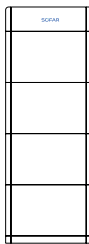
Efficiency

- Extremely low battery self-consumption in sleep mode
- Active battery balancing of 100% SOC in 2 hours
- Store up to 2 years without charging



Safe & Reliable

- IP65 rated design
- 5-layer battery safety protection
- Lithium iron phosphate(LFP) battery

Model	BTS E5-DS5		BTS E10-DS5		BTS E15-DS5		BTS E20-DS5	
System Parameters								
System Schematic								
Battery Type ^[1]	LiFePO ₄ - lithium iron phosphate battery							
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 Vd.c.							
Operating Voltage Range	350-435 Vd.c.							
Max. Charging Current	6A		12A		18A		24A	
Max. Discharging Current	7.5A		15A		22.5A		30A	
General Parameters								
Display	LED							
Communication	CAN							
Dimensions (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	5.12 kWh							
Nominal Voltage	400 Vd.c.							
Rated Power	2.5 kW							
Dimensions(W×H×D)	708×420×170 mm							
Weight	50kg							
Battery Distribution Unit								
Model	BTS 5K-BDU							
Operating Voltage Range	350-435 Vd.c.							
Maximum Current	30A							
Number of BTS 5K	1-4							
Protective Class	Class I							
Enclosure Type	IP65							
Dimensions(W×H×D)	708×200×170 mm							
Weight	7.5kg							
Ordering and Deliverable Part								
Product Ordering Model ^[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