BTS E5-20-DS5

5 / 10 / 15 / 20 kWh

Smart battery



- SOFAR Battery distribution unit
- SOFAR Battery

We've GOT YOU COVERED with CGL insurance.

User-friendly

- Integrated heating, all-weather performance from -20˚C to +50˚C, perfect for outdoor installation
- Modular design and stacked installation, plug and play
- Extendable by mixing new and existing batteries

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

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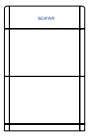
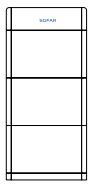
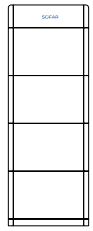
Model	BTS E5-DS5	BTS E10-DS5	BTS E15-DS5	BTS E20-DS5
System Parameters				
System Schematic				
Battery Type [1]	$LiFePO_4$ - lithium iron phosphate battery			
Battery Distribution Unit	BTS 5K-BDU			
Number of Battery Distribution Unit	1			
Battery Module	BTS 5K			
Number of Battery Modules	1	2	3	4
Battery Total Energy [2]	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh
Rated Capacity	100 Ah	200 Ah	300 Ah	400 Ah
Rated Power	2.5 kW	5 kW	7.5 kW	10 kW
Nominal Voltage	400 Vd.c.			
Operating Voltage Range	350-435 Vd.c.			
Max. Charging Current	6 A	12 A	18 A	24 A
Max. Discharging Current	7.5 A	15 A	22.5 A	30 A
General Parameters				
Display	LED			
Communication	CAN			
Dimensions (W×H×D)	708×680×170 mm	708×1100×170 mm	708×1520×170 mm	708×1940×170 mm
Weight	59 kg	110 kg	161 kg	212 kg
Enclosure Type	IP65			
Cooling	Natural			
Operating Temperature Range [3]	-20˚C ~ +50˚C			
Humidity	5-95%			
Installation	Floor Stand			
Max. Operating Altitude [4]	4000 m			
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	50 kg			
Battery Distribution Unit				
Model	BTS 5K-BDU			
Operating Voltage Range	350-435 Vd.c.			
Maximum Current	30 A			
Number of BTS 5K	1-4			
Protective Class	Class I			
Enclosure Type	IP65			
Dimensions(W×H×D)	708×200×170 mm			
Weight	7.5 kg			
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 >2000 m, derating operation is required, refer to the derating curve. [5] The internal battery pack is 51.2 V, 100 Ah.
[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.