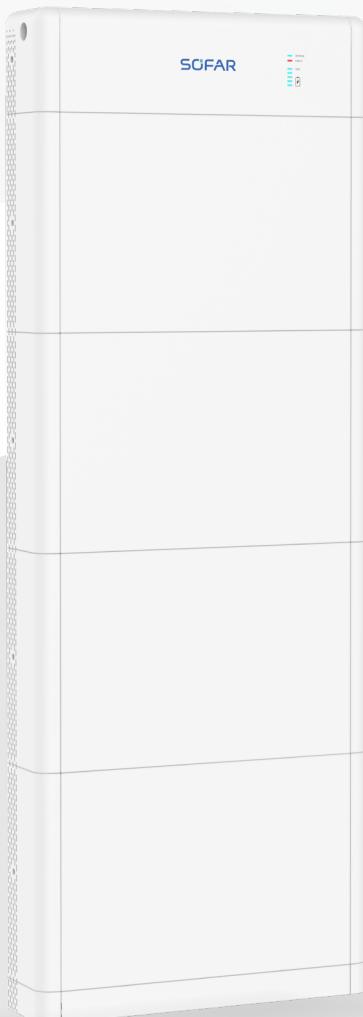


# BTS E5-20-DS5

5 / 10 / 15 / 20 kWh

Smart battery



- ▶ SOAFR battery distribution unit
- ▶ SOFAR Battery

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with CGL insurance.



## User-friendly

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



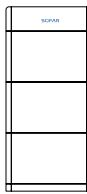
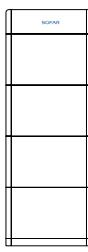
## Efficiency

- 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
<b>System Parameters</b>				
System Schematic				
Battery Type <sup>[1]</sup>	LiFePO <sub>4</sub> - 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 <sup>[2]</sup>	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.			
Usable Capacity	4.992 kWh	9.984 kWh	14.976 kWh	19.968 kWh
Operating Voltage Range	350-435 Vd.c.			
Max. Charging Current	6A	12A	18A	24A
Max. Discharging Current	7.5A	15A	22.5A	30A
<b>General Parameters</b>				
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 <sup>[3]</sup>	Charge: 0°C ~ +50°C / Discharge: -10°C ~ +50°C			
Humidity	5-95%			
Installation	Floor Stand			
Max. Operating Altitude <sup>[4]</sup>	4000m			
Warranty <sup>[5]</sup>	10 years			
Country of Manufacture	China			
<b>Battery Module<sup>[6]</sup></b>				
Model	BTS 5K			
Battery Module Energy	5.12 kWh			
Nominal Voltage	400 Vd.c.			
Rated Power	2.5 kW			
Dimensions(W×H×D)	708×420×170mm			
Weight	50kg			
<b>Battery Distribution Unit</b>				
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)	708×200×170mm			
Weight	7.5kg			
<b>Ordering and Deliverable Part</b>				
Product Ordering Model <sup>[7]</sup>	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] Please refer to battery warranty for conditional application.

[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.

\*All specifications are subject to change without notice.