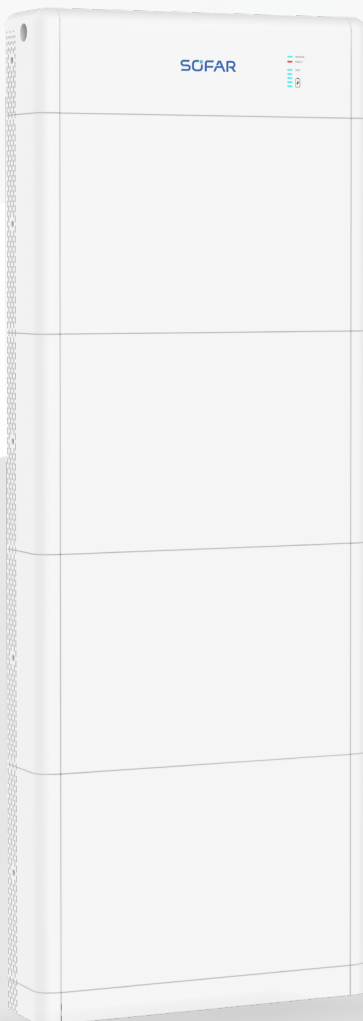


BTS E5-20-DS5

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




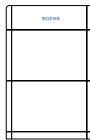
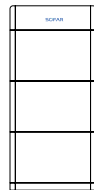
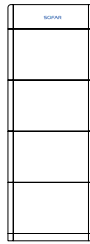
Efficiency

- 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] | 5.12 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 |
| 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 | | | |
| Warranty ^[5] | 10 years | | | |
| Country of Manufacture | China | | | |
| Battery Module ^[6] | | | | |
| 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 | | | |
| 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) | 708×200×170mm | | | |
| Weight | 7.5kg | | | |
| Ordering and Deliverable Part | | | | |
| Product Ordering Model ^[7] | 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.