# BTS 5K-BDU

## SMART BATTERY DISTRIBUTION UNIT

We've GOT YOU COVERED with CGL insurance.




## Product advantages

- Pre-wired cables for plug-and-play installation
- All-weather performance from -20˚C to +50˚C, perfect for outdoor installation
- Advanced 2-layer safety system keeps your family protected



| 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 |
| Communication | CAN |
| Display | LED |
| Installation | Wall/Floor Mounted |
| Dimensions(W*H*D) | 708*200*170 mm |
| Weight | 7 kg |

*All specifications are subject to change without notice.

# BTS E5~E20-DS5

5 / 10 / 15 / 20 kWh

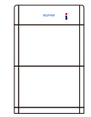
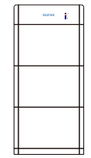
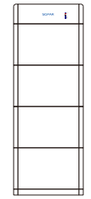
## INTELLIGENT ENERGY STORAGE






## 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 [1] | LFP | | | |
| 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 Vdc | | | |
| Operating voltage range | 350~435 Vdc | | | |
| Max. charging current | 6A | 12A | 18A | 24A |
| Max. discharging current | 7.5A | 15A | 22.5A | 30A |
| **General Parameters** | | | | |
| Display | LED | | | |
| Communication | CAN | | | |
| Dimension(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 | 5.12kWh | | | |
| Nominal voltage | 400 Vdc | | | |
| Rated power | 2500W | | | |
| Dimension(W*H*D) | 708*420*170mm | | | |
| Weight | 50kg | | | |
| **Battery Distribution Unit** | | | | |
| Model | BTS 5K-BDU | | | |
| Operating Voltage Range | 350~435 Vdc | | | |
| Maximum Current | 30 A | | | |
| Number of BTS 5K | 1~4 | | | |
| Protective Class | Class I | | | |
| Enclosure Type | IP65 | | | |
| Dimension (W*H*D) | 708*200*170mm | | | |
| 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.
*All specifications are subject to change without notice.