

## BTS E5~E20-DS5

5 / 10 / 15 / 20 kWh



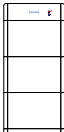
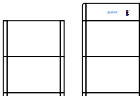
### INTELLIGENT ENERGY STORAGE



#### 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<br>E5-DS5   | BTS<br>E10-DS5  | BTS<br>E15-DS5  | BTS<br>E20-DS5  |
|--------------------------------------|---|---|---|---|
| System Parameters                    |   |   |   |   |
| System schematic                     |  |  |  |  |
| Battery type                         | LFP[1]  |   |   |   |
| Battery distribution unit            | BTS 5K-BDU  |   |   |   |
| Number of battery distribution units | 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  |
| Battery usable energy[3]             | 4.75kWh   | 9.5kWh  | 14.25kWh  | 19kWh   |
| Rated capacity                       | 100Ah   | 200Ah   | 300Ah   | 400Ah   |
| Rated power                          | 2.5kW   | 5kW   | 7.5kW   | 10kW  |
| Nominal voltage                      | 400V  |   |   |   |
| Operating voltage range              | 350-435V  |   |   |   |
| Rated charging/discharging current   | 7A  | 14A   | 21A   | 28A   |
| General Parameters                   |   |   |   |   |
| Display                              | LED indicators  |   |   |   |
| Communication                        | CAN   |   |   |   |
| Dimension (W*H*D)                    | 708*680*170mm   | 708*1100*170mm  | 708*1520*170mm  | 708*900*170mm<br>708*1100*170mm   |
| Weight                               | 59kg  | 110kg   | 161kg   | 212kg   |
| Protection rating                    | IP65  |   |   |   |
| Cooling                              | Natural   |   |   |   |
| Operating temperature[4]             | Charge: 0°C ~ +50°C / Discharge: -10°C ~ +50°C                                      |   |   |   |
| Humidity                             | 5~95%   |   |   |   |
| Installation                         | Floor Stand   |   |   |   |
| Max. operating altitude[5]           | 4000m   |   |   |   |
| Battery Module[6]                    |   |   |   |   |
| Model                                | BTS 5K  |   |   |   |
| Battery module energy[2]             | 5.12kWh   |   |   |   |
| Nominal voltage                      | 400V  |   |   |   |
| Nominal voltage                      | 2500W   |   |   |   |
| Dimension (W*H*D)                    | 708*420*170mm   |   |   |   |
| Weight                               | 50kg  |   |   |   |
| Battery Distribution Unit            |   |   |   |   |
| Model                                | BTS 5K-BDU  |   |   |   |
| Max. charging/discharging current    | 35A   |   |   |   |
| Dimension (W*H*D)                    | 708*200*170mm   |   |   |   |
| Weight                               | 7.5kg   |   |   |   |
| Standard                             | UN38.3,IEC62619, IEC62040-1, SAA, etc.  |   |   |   |
| Deliverable parts                    |   |   |   |   |
| Product ordering model[7]            | BTS 5K, BTS 5K-BDU, BTS 5K-KIT (Optional)   |   |   |   |

[1] Rechargeable Li-ion Battery system. [2] Test conditions: 0.2C charging/discharging at 25°C, 100% DOD. [3] Usable Energy is based on battery cell only.  
[4] Refer to the temperature derating curve. [5] If the altitude is >2000m, derating operation is required, refer to the derating curve. [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. It is recommended to use the accessory kit BTS 5K-KIT (Optional) in the 20kWh system.  
\*All specifications are subject to change without notice.