

BTS E5~E20-DS5

5 / 10 / 15 / 20 kWh

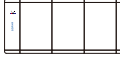
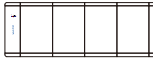
INTELLIGENT ENERGY STORAGE



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 <sup>[1]</sup>            | LFP                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Battery distribution unit              | BTS SK-8DU                                                                        |                                                                                   |                                                                                   |                                                                                   |
| Number of battery distribution units   | 1                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Battery module                         | BTS 5K                                                                            |                                                                                   |                                                                                   |                                                                                   |
| Number of battery modules              | 1                                                                                 | 2                                                                                 | 3                                                                                 | 4                                                                                 |
| Battery total energy <sup>[2]</sup>    | 5.12kWh                                                                           | 10.24kWh                                                                          | 15.36kWh                                                                          | 20.48kWh                                                                          |
| Battery usable energy <sup>[3]</sup>   | 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                                                                          |                                                                                   |                                                                                   |                                                                                   |
| Max. charging current                  | 6A                                                                                | 12A                                                                               | 18A                                                                               | 24A                                                                               |
| Max. discharging current               | 7.5A                                                                              | 15A                                                                               | 22.5A                                                                             | 30A                                                                               |
| General Parameters                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Display                                | LED indicators                                                                    |                                                                                   |                                                                                   |                                                                                   |
| Communication                          | CAN                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Dimension (W*H*D)                      | 708*680*170mm                                                                     | 708*1100*170mm                                                                    | 708*1520*170mm                                                                    | 708*1940*170mm                                                                    |
| Weight                                 | 59kg                                                                              | 110kg                                                                             | 161kg                                                                             | 212kg                                                                             |
| Protection rating                      | IP65                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Cooling                                | Natural                                                                           |                                                                                   |                                                                                   |                                                                                   |
| Operating temperature <sup>[4]</sup>   | Charge: 0°C ~ 40°C / Discharge: -10°C ~ 40°C                                      |                                                                                   |                                                                                   |                                                                                   |
| Humidity                               | 5~95%                                                                             |                                                                                   |                                                                                   |                                                                                   |
| Installation                           | Floor Stand                                                                       |                                                                                   |                                                                                   |                                                                                   |
| Max. operating altitude <sup>[5]</sup> | 4000m                                                                             |                                                                                   |                                                                                   |                                                                                   |
| Battery Module <sup>[6]</sup>          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Model                                  | BTS 5K                                                                            |                                                                                   |                                                                                   |                                                                                   |
| Battery module energy <sup>[2]</sup>   | 5.12kWh                                                                           |                                                                                   |                                                                                   |                                                                                   |
| Nominal voltage                        | 400V                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Nominal power                          | 2500W                                                                             |                                                                                   |                                                                                   |                                                                                   |
| Dimension (W*H*D)                      | 708*420*170mm                                                                     |                                                                                   |                                                                                   |                                                                                   |
| Weight                                 | 59kg                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Battery Distribution Unit              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Model                                  | BTS SK-8DU                                                                        |                                                                                   |                                                                                   |                                                                                   |
| Max. charging/discharging current      | 35A                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Dimension (W*H*D)                      | 708*200*170mm                                                                     |                                                                                   |                                                                                   |                                                                                   |
| Weight                                 | 7.5kg                                                                             |                                                                                   |                                                                                   |                                                                                   |
| Standard                               | UN38.3, IEC603619, IEC60364-1, etc.                                               |                                                                                   |                                                                                   |                                                                                   |
| Deliverable parts                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Product ordering model <sup>[7]</sup>  | BTS 5K, BTS SK-8DU                                                                |                                                                                   |                                                                                   |                                                                                   |

<sup>[1]</sup> Rechargeable Li-ion Battery system.

<sup>[2]</sup> First condition: 0.2C charging/discharging at 25°C, 100%SOC.

<sup>[3]</sup> Usable energy is based on battery cell only.

<sup>[4]</sup> In line with the temperature operating curve.

<sup>[5]</sup> If the altitude is >2000m, starting operation is required, refer to the derating curve.

<sup>[6]</sup> The internal battery pack is 51.2V, 100Ah.

<sup>[7]</sup> The internal battery pack is 51.2V, 100Ah.

All specifications are subject to change without notice.

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[1] Rechargeable Li-ion Battery system. [2] Test conditions: 25°C 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] The standard configuration includes 1 power module and 1 battery module (separately) with corresponding quantity. \*All specifications are subject to change without notice.