

## BTS E5-20-DS5

5 / 10 / 15 / 20 kWh



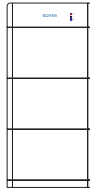
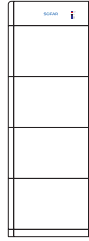
### DC ENERGY STORAGE SYSTEMS



### 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 5/6/8/10/15/20KTL-3PH



Model	BTS E5-DS5		BTS E10-DS5		BTS E15-DS5		BTS E20-DS5	
<b>System Parameters</b>								
System Schematic								
Battery Type <sup>[1]</sup>	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 <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.							
Operating Voltage Range	350-435 Vd.c.							
Max. Charging Current	6 A		12 A		18 A		24 A	
Max. Discharging Current	7.5 A		15 A		22.5 A		30 A	
<b>General Parameters</b>								
Protective Class	Class I							
IP Rating	IP65							
Operating Temperature Range <sup>[3]</sup>	-20°C to +50°C							
Relative Humidity Range	5%-95%							
Max. Operating Altitude <sup>[4]</sup>	4000 m							
Installation	Wall/Floor Mounted							
Dimensions(W*H*D)	708*680*170 mm		708*1100*170 mm		708*1520*170 mm		708*1940*170 mm	
Cooling Mode	Natural							
Weight	59 kg		110 kg		161 kg		212 kg	
Communication	CAN							
Display	LED							
<b>Battery Module<sup>[5]</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*170 mm							
Weight	50 kg							
<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*170 mm							
Weight	7.5 kg							
<b>Ordering and Deliverable Part</b>								
Product Ordering Model <sup>[6]</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 and the battery needs to enable heating function if it needs to be charge when temperature is blow 0°C.

[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.