BTS 5K

5.12 kWh

Smart Battery



We've GOT YOU COVERED with CGL insurance.

User-friendly

- Pre-wired cables, plug-and-play installation
- Extendable by mixing new and existing batteries

Efficiency

- Store up to 2 years without charging
- Active battery balancing of 100% SOC in 2 hours

Safe and reliable

- 5-layer battery safety protection
- Lithium iron phosphate(LFP) battery

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Model	BTS 5K
Battery Type [1]	$LiFePO_4$ - lithium iron phosphate battery
Batte ry Total Energy [2]	5.12 kWh
Rated Capacity	100 Ah
Rated Power	2.5 kW
Nominal Voltage	400 Vd.c.
Operating Voltage Range	350-435 Vd.c.
Max. Charging Current	6 A
Max. Discharging Current	7.5 A
General Parameter	
Protective Class	Class I
IP Rating	IP65
Operating Temperature Range [3]	Charge: 0℃ to +50℃ / Discharge: -10℃ to +50℃
Relative Humidity Range	5%-95%
Max. Operating Altitude [4]	4000 m
Installation	Wall/Floor Mounted
Dimensions(W*H*D)	708*420*170 mm
Cooling Mode	Natural
Weight	50 kg
Communication	CAN

[1] Rechargeable Li-ion Battery.
[2] Test conditions: 0.2C charging/discharging at 25℃, 100%DOD.
[3] Refer to the curve of temperature VS charging/discharging current.
[4] Derating above 2000m.

*All specifications are subject to change without notice.

BTS E5~E20-DS5

5 / 10 / 15 / 20 kWh

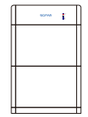
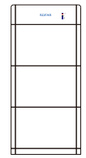
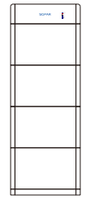
INTELLIGENT ENERGY STORAGE





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.