



INTELLIGENT ENERGY STORAGE

BTS E5~E20-DS5

5 / 10 / 15 / 20 kWh



- Modular and integrated design for easy transportation and installation
- Flexible battery capacity expansion
- User-friendly one-button battery operation
- Maximal battery energy with pack optimization
- Extremely low battery self-consumption in sleep mode
- Energy storage specially for ME / HYD 5K~20KTL-3PH inverters

Datasheet

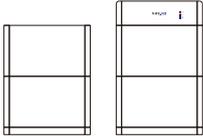
BTS E5-DS5

BTS E10-DS5

BTS E15-DS5

BTS E20-DS5

System Parameters

System				
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Battery type	LFP			
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 (kWh) ¹	5.12	10.24	15.36	20.48
Usable energy (kWh) ²	4.75	9.5	14.25	19
Rated power (kW)	2.5	5	7.5	10
Rated voltage (V)	400			
Voltage range for full load (V)	350-425			
Rated charge/discharge current (A)	7	14	21	28
Degree of protection	IP65			
Ambient temperature range ³	-10°C ~ 50°C			
Allowable relative humidity range	5~95%			
Max. operating altitude ⁴	4000 m			
Weight (kg)	59	110	161	212
Dimension (mm)	708*170*680	708*170*1100	708*170*1520	708*170*900 708*170*1100
Installation	Floor stand			
Cooling	Natural			
Display	LED indicators			
Communication	CAN			
Compatible inverters	Please refer to the BTS E5~20-DS5 configuration list			

Battery Module

Model	BTS 5K
Battery module energy (kWh) ¹	5.12
Depth of discharge	90.0%
Rated power (W)	2500
Dimension (mm)	708*170*420
Weight (kg)	50

Battery Distribution Unit

Model	BTS 5K-BDU
Max. charge/discharge current (A)	35
Dimension (mm)	708*170*200
Weight (kg)	7.5

Standard

Certificates	UN38.3, IEC62619, IEC62040-1, SAA, etc.
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¹ Test conditions: 0.2C charge/discharge at 25°C, 100% DoD.
² Based on the battery cell.
³ Refer to the temperature derating curve.
⁴ If the altitude is >2000 m, derating is required. Please refer to the derating curve.
 * All specifications are subject to change without notice.