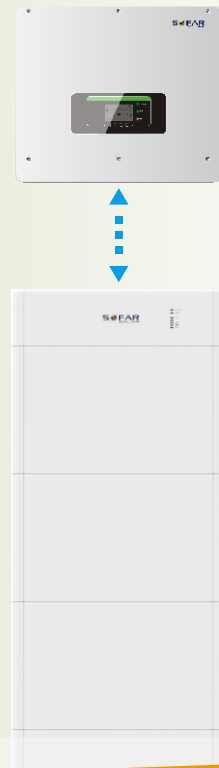
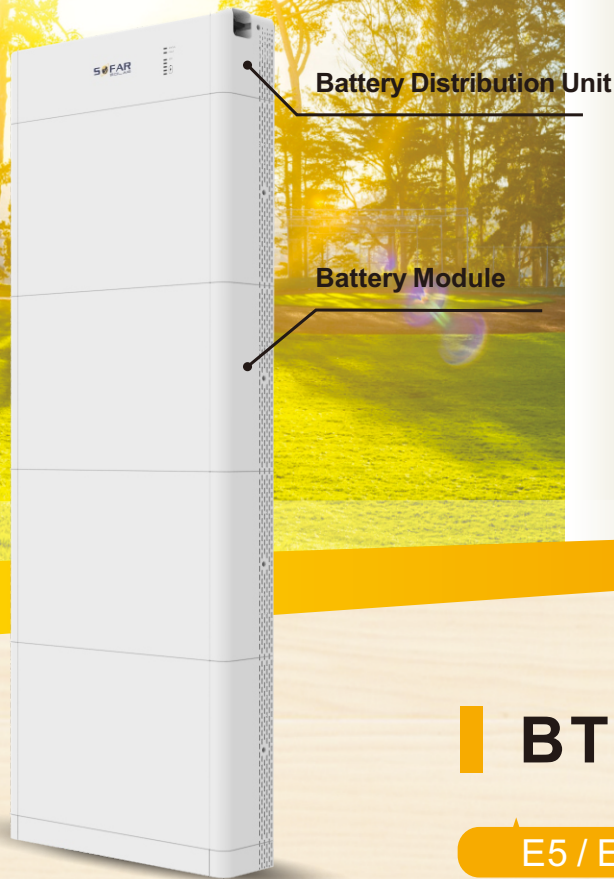


Intelligent Batteries System



BTS E5~20-DS5

E5 / E10 / E15 / E20



Modular and integrated design for easy transportation and installation



More available battery energy with pack optimization



Batteries flexible expansion in stages



Extremely low battery self-consumption in sleep mode



Batteries one-button shutdown



Model	BTS E5-DS5	BTS E10-DS5	BTS E15-DS5	BTS E20-DS5
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System Parameters

System Schematic				
Battery type	LFP			
Battery distribution unit	BTS 5K-BDU			
Qty.of battery distribution unit	1			
Battery module	BTS 5K			
Qty.of battery modules	1	2	3	4
Battery total energy [1]	5kWh	10kWh	15kWh	20kWh
Rated power	2.5kW	5kW	7.5kW	10kW
Rated voltage	400V			
Voltage range	350V~435V			
Rated charge/ discharge current	7A	14A	21A	28A
Degree of protection	IP65			
Ambient temperature range	-10°C ~ +45°C			
Allowable relative humidity range	5%~95%			
Max. operating altitude [2]	4000m			
Weight	59kg	110kg	161kg	212kg
Dimension (W*D*H)	708*170*680mm	708*170*1100mm	708*170*1520mm	708*170*1940mm
Installation	Floor stand			
Cooling	Natural			
Display	LED indicator			
Communication	CAN			
Warranty [3]	10 Years			
Compatible inverters	Refer to BTS E5~20-DS5 configuration list			

Battery Module

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

Battery Distribution Unit

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

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] If the altitude is > 2000m, derating operation is required, refer to the derating curve.
 [3] Conditions apply. Refer to Sofar battery warranty letter.

BTS E5 / E10 / E15 / E20-DS5_EN_202203_V1

Hybrid Solar System

