

BST

Series

50Ah | High voltage



MODEL	10.2KWH	12.8KWH	15.3KWH	17.9KWH	20.48KWH
Nominal Voltage (V)	204.8	256	307.2	358.4	409.2
Nominal Capacity (KWH)	10.2	12.8	15.3	17.9	20.4
Usable Capacity (KWH)	9.1	11.5	13.7	16.1	18.4
Design Life	10+Years(25℃/77F)				

PHYSICAL

Dimension(mm)	665*220*1020	665*220*1204	665*220*1388	665*220*1572	665*220*1756
Weight(kg)	125	150	175	200	225

ELECTRICAL

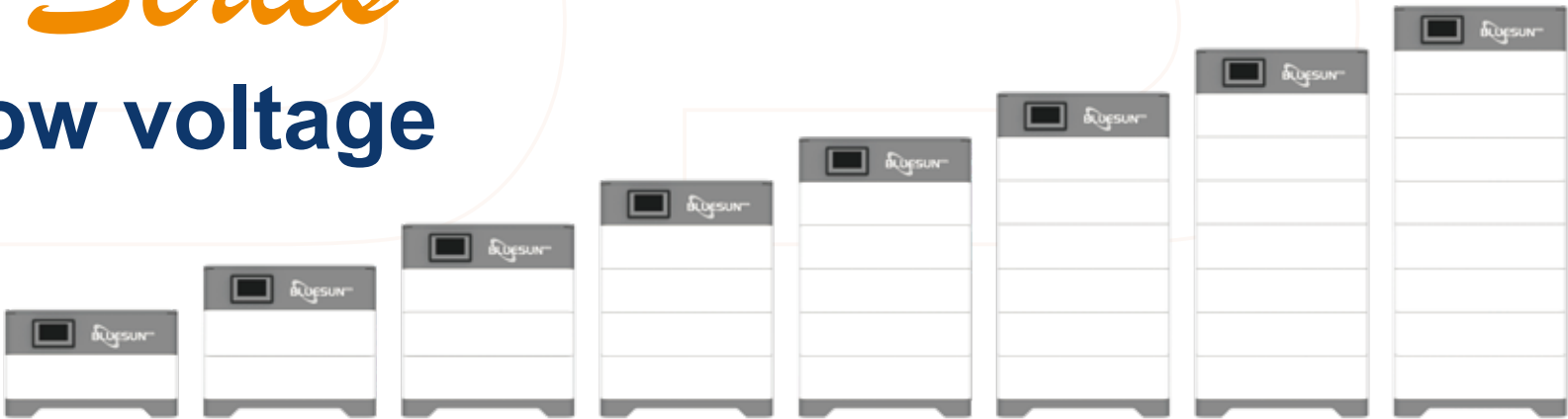
Cycle Life	>6000 25℃				
Discharge Voltage (V)	179.2	224	268.8	313.6	358.4
Charge Voltage (V)	230.4	288	345.6	403.2	460.8
Recommend Charge Discharge Current (A)	25A				
Max.Charge Discharge Current(A)	50A				
Peak Charge Discharge Current(A)	80A				
Communicaiton	RS485/CAN				

OPERATION

Working Temperature	0℃ ~50℃ Charge℃ ~50℃ Discharge				
Shelf Temperature	-20℃ ~60℃				
Certification	CE/IEC/UL/UN38.3/MSDS				
Design Life	10 years+				

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100Ah | Low voltage

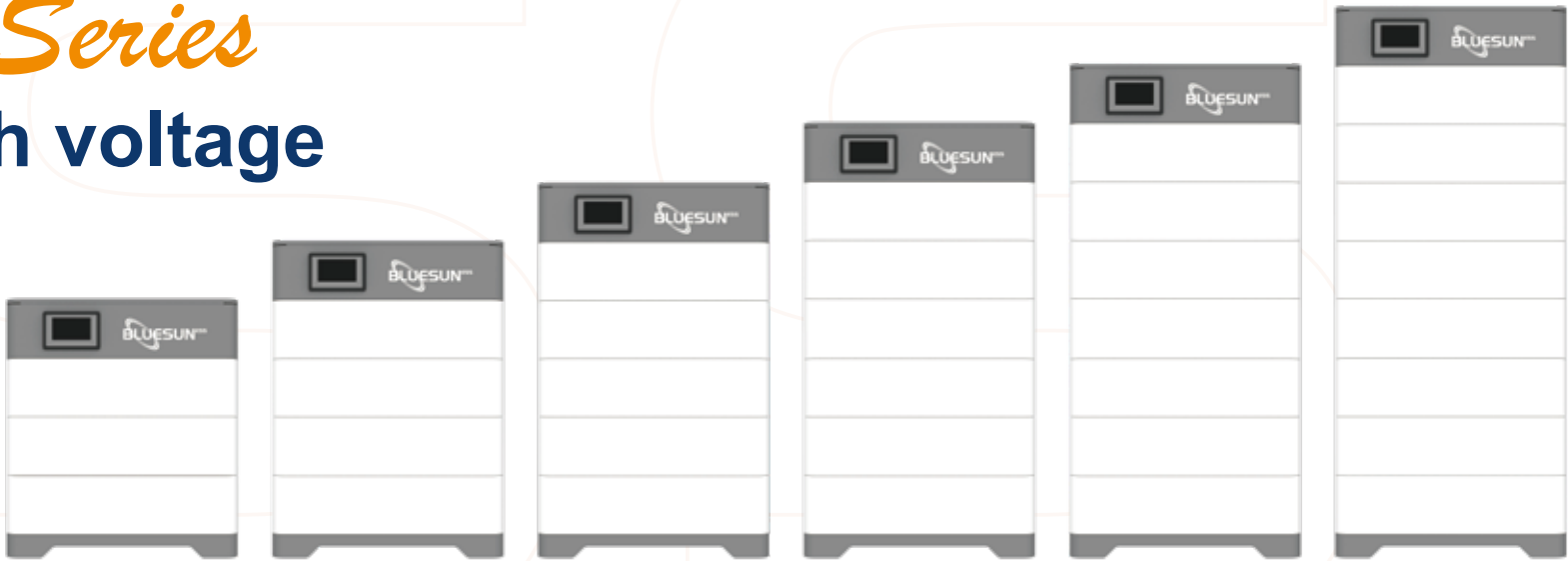


MODEL	BST-5.0LV	BST-10.0LV	BST-15.0LV	BST-20.0LV	BST-25.0LV	BST-30.0LV	BST-35.0LV	BST-40.0LV
Battery Type	LiFePO4(LFP)							
Nominal Voltage(V)	51.2V							
Nominal Capacity(KWH)	5.42KWH	10.85KWH	16.28KWH	21.7KWH	27.13KWH	32.56KWH	37.99KWH	43.41KWH
Usable Capacity(KWH)	4.87KWH	9.76KWH	14.65KWH	19.53KWH	24.41KWH	29.30KWH	34.19KWH	39.07KWH
Design Life	10+ Years (25℃/77F)							
Physical								
Dimension(mm)	600*400*385	600*400*534	600*400*683	600*400*832	600*400*981	600*400*1130	600*400*1279	600*400*1428
Weight(kg)	80	125	170	215	260	305	350	395
ELECTRICAL								
Calendar Life ^[1]	6500+ cycles							
Discharge Voltage(V)	40 - 48							
Charge Voltage(V)	56 - 58.4							
Charge/Discharge Current(A)	100A (Recommended) 200A(Max)							
Internal Resistance	≤30mΩ							
BMS								
Power Consumption	<2W (Work) < 100mW(Sleep)							
Monitoring Parameters	System voltage, current, cell voltage,cell temperature, module temperature							
SOC	Intelligent algorithm							
Communication	CAN/RS-485/RS-232							
OPERATION								
Operating Temperature Range	-10℃-50℃							
Transport or Storage Temperate Range	-20℃-45℃							
Humidity	15% - 85% (No Condensing)							
WARRANTY								
Product Warranty	5 Years							
Performance Warranty	10Years							
CERTIFICATE								
Certificate	UN38.3 UL1973 UL9540 IEC62619							

[1] Test conditions: 0.2C Charging/Discharging,@25℃ , 80%Dod

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MODEL	BST-15.0HV	BST-20.0HV	BST-25.0HV	BST-30.0HV	BST-35.0HV	BST-40.0HV
Battery Type	LiFePO4(LFP)					
Nominal Voltage(V)	153.6V	204.8V	256.0V	307.2V	358.4V	409.6V
Nominal Capacity(KWH)	16.28KWH	21.7KWH	27.13KWH	32.56KWH	37.99KWH	43.41KWH
Usable Capacity(KWH)	14.65KWH	19.53KWH	24.41KWH	29.30KWH	34.19KWH	39.07KWH
Design Life	10+ Years (25℃/77F)					
Physical						
Dimension(mm)	600*400*683	600*400*832	600*400*981	600*400*1130	600*400*1279	600*400*1428
eight(kg)	170	215	260	305	350	395
ELECTRICAL						
Calendar Life ^[1]	6500+ cycles					
Discharge Voltage(V)	120-144	160-192	200-240	240-288	280	320
Charge Voltage(V)	168-175.2	224-233.6	280-292	336-350.4	408.8	467.2
Charge/Discharge Current(A)	50A (Recommended) 100A(Max)					
Internal Resistance	≤30mΩ					
BMS						
Power Consumption	<2W (Work) < 100mW(Sleep)					
Monitoring Parameters	System voltage, current, cell voltage,cell temperature, module temperature					
SOC	Intelligent algorithm					
Communication	CAN/RS-485/RS-232					
OPERATION						
Operating Temperature Range	-10℃-50℃					
Transport or Storage Temperate Range	-20℃-45℃					
Humidity	15% - 85% (No Condensing)					
WARRANTY						
Product Warranty	5 Years					
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CERTIFICATE						
Certificate	UN38.3 UL1973 UL9540 IEC62619					

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