

TECHNICAL DATA

Seatery System Energy (kWh) 7.6	MODEL NUMBER	BLH-RESS BS-7.6	BLH-RESS BS-11.4	BLH-RESS BS-15.2	BLH-RESS BS-19
Usable Energy (Whh)[I] 7.2 10.8 14.4 18.1 Number of Battery Modules 2 3 4 5 Rated Battery Voltage (W) 20.48 307.2 40.9.6 512 Operating Battery Voltage Range (V) 1792-224 268.8-336 358.4-448 448-660 Recommended Charging/Discharging Power (KW) 3.8 5.7 7.5 9.5 Max. Output Power (W)(2) 7.5 11.4 15.2 19 Recommended Charging/Discharging Current(A) 18.5 18.5 18.5 18.5 Max. Charging/Discharging Current(A) 18.5 18.5 18.5 18.5 Max. Charging/Discharging Current(A) [2] 37 51 10.0 4 10.0 4 10.0	System				
Number of Battery Modules 2 3 4 5 Rated Battery Voltage (V) 204.8 307.2 409.6 512 Operating Battery Voltage Range (V) 179.2-224 268.8-396 358.4-448 448-560 Recommended Charging/Discharging Power (kW) 3.8 5.7 7.6 9.5 Max. Output Power (kW)[2] 7.6 11.4 15.2 19.5 Recommended Charging/Discharging Current(A)[2] 37 37 37 37 Max. Charging/Discharging Current(A)[2] 37 3	Battery System Energy (kWh)	7.6	11.4	15.2	19
Rated Battery Voltage (V) 204.8 307.2 409.6 512 Operating Battery Voltage Range (V) 179.2-224 268.8-336 358.4-448 448-560 Recommended Charging/Discharging Power (kW) 3.8 5.7 7.6 9.5 Max. Output Power (kW)[2] 7.6 11.4 15.2 19 Recommended Charging/Discharging Current(A) 18.5 18.5 18.5 18.5 Max. Charging/Discharging Current(A)(2] 37 37 37 37 37 System Dimensions (WH*D) (mm) 670*900*170 670*1215*170 670*1250*170 670*1845*170 System Net Weight (kg)[3] 94 132 170 208 Communication RLHAESS-BM-5200 Battery Module Model Number 8 BH-RESS-BM-5200 Battery Module Energy (kWh) 3.6 Rated Battery Module Voltage(V) 102.4 \$8 Battery Module Number BLH-RESS-BM-5200 Battery Module Number BLH-RESS-BC-5200 Battery Module Number BLH-RESS-BC-5200 Battery Module Number BLH-RESS-BC-5020 Battery Module Number BLH-RESS-BC-500*C </td <td>Usable Energy (kWh)[1]</td> <td>7.2</td> <td>10.8</td> <td>14.4</td> <td>18.1</td>	Usable Energy (kWh)[1]	7.2	10.8	14.4	18.1
Operating Battery Voltage Range (V) 179.2-724 268.8-336 358.4-448 448-560 Recommended Charging/Discharging Power (kW) 3.8 5.7 7.6 9.5 Max. Output Power (kW)[2] 7.6 11.4 15.2 19 Recommended Charging/Discharging Current(A) 18.5 18.5 18.5 Max. Charging/Discharging Current(A)[2] 37 37 37 37 System Disensions (W*H*D) (mm) 670*900*170 670*125*170 670*1845*170 570*1845*170 System Net Weight (kg)[3] 94 13.2 170 208 Communication RJ45(R5485, CAN_Div_contact) 18.5	Number of Battery Modules	2	3	4	5
Recommnended Charging/Discharging Power (kW) 3.8 5.7 7.6 9.5 Max. Output Power (kW)[2] 7.6 11.4 15.2 19 Recommnended Charging/Discharging Current(A) 18.5 18.5 18.5 18.5 Max. Charging/Discharging Current(A)[2] 37 37 37 37 System Dimensions (W"H"D) (mm) 670°1900°170 670°12215°170 670°1530°170 670°1845°170 System Dimensions (W"H"D) (mm) 670°19215°170 670°1850°170 670°1845°170 System Dimensions (W"H"D) (mm) 81H-RESS-BM-5200 88 Battery Module Model Number BLH-RESS-BM-5200 88 Battery Module Usable Energy(kWh) 3.8 88 Battery Module Voltage(V) 102.4 88 Battery Module Net Weight (kg) 38 88 Battery Module Net Weight (kg) 38 88 Battery Module Net Weight (kg) 81+RESS-BC-5200 Max. Working Voltage(V) 576 6 Control Box Dimensions (W"H"D) (mm) 670°220°170 6 Control Box Dimensions (W"H"D) (mm) <	Rated Battery Voltage (V)	204.8	307.2	409.6	512
Max. Output Power (kW)[2] 7.6 11.4 15.2 19 Recommended Charging/Discharging Current(A) 18.5 18.5 18.5 18.5 Max. Charging/Discharging Current(A)[2] 37 37 37 37 System Dimensions (W"H"D) (mm) 670°900°170 670°1215°170 670°1230°170 670°1845°170 System Dimensions (W"H"D) (mm) 670°900°170 670°1215°170 670°1230°170 208 Communication RJ45(RS485, CAN, Dry contact) Word	Operating Battery Voltage Range (V)	179.2~224	268.8~336	358.4~448	448~560
Recommended Charging/Discharging Current(A) 18.5 18.5 18.5 Max. Charging/Discharging Current(A)[2] 37 37 37 37 System Dimensions (W*H*D) (mm) 670*900*170 670*1215*170 670*1350*170 670*1845*170 System Net Weight (kg)[3] 94 132 170 208 Communication RJ45(R\$495, CAN,Dry contact) Module Battery Module Model Number BLH~RESS~BM~5200 BLH~RESS~BM~5200 Battery Module Usable Energy(kWh) 3.8 Battery Module Dimensions (W*H*D) (mm) 670*315*170 Battery Module Dimensions (W*H*D) (mm) 670*315*170 Battery Module Net Weight (kg) 38 Battery Module Net Weight (kg) 38 Buttery Module Net Weight (kg) 38 Buttery Module Net Weight (kg) 48 Buttery Module Net Weight (kg) 38 Buttery Module Net Weight (kg) 670*220*3770 Control Box Model Number 670*220*3770 <t< td=""><td>Recommnended Charging/Discharging Power (kW)</td><td>3.8</td><td>5.7</td><td>7.6</td><td>9.5</td></t<>	Recommnended Charging/Discharging Power (kW)	3.8	5.7	7.6	9.5
Max. Charging/Discharging Current(A)[2] 37 37 37 37 System Dimensions (W*H*D) (mm) 670*900*170 670*1215*170 670*1350*170 208 Communication RJ45 (RS485, CAN, Dry contact) ************************************	Max. Output Power (kW)[2]	7.6	11.4	15.2	19
System Dimensions (W*H*D) (mm) 670*900*170 670*1215*170 670*1330*170 670*1845*170 System Net Weight (kg)[3] 94 132 170 208 Communication RJ45(RS485, CAN,Dry contact) ***********************************	Recommended Charging/Discharging Current(A)	18.5	18.5	18.5	18.5
System Net Weight (kg)[3] 94 132 170 208 Communication RJ45(R5485, CAN,Dry contact) Module Battery Module Model Number BLH-RESS-BM-5200 Battery Module Energy(kWh) 3.8 Battery Module Usable Energy(kWh) 3.6 Rated Battery Module Voltage(V) 102.4 Battery Module Dimensions (W'H'D) (mm) 670°315°170 Battery Module Net Weight (kg) 38 Battery Control Box Model Number BLH-RESS-BC-5200 Max. Working Voltage(V) 576 Control Box Dimensions (W'H'D) (mm) 670°220°170 Control Box Dimensions (W'H'D) (mm) 670°220°170 Control Box Net Weight (kg) 12 Environment Charge -10°C-50°C Discharge-10°C-50°C Discharge-10°C-50°C Oischarge-10°C-50°C Oischar	Max. Charging/Discharging Current(A)[2]	37	37	37	37
Communication RJ45(RS485, CAN,Dry contact) Module Battery Module Model Number BLH-RESS-BM-5200 Battery Module Energy(kWh) 3.8 Battery Module Usable Energy(kWh) 3.6 Rated Battery Module Voltage(V) 102.4 Battery Module Dimensions (W"H"D) (mm) 670°315°170 Battery Module Net Weight (kg) 38 Battery Control Box Model Number BLH-RESS-BC-5200 Max. Working Voltage(V) 576 Control Box Dimensions (W"H"D) (mm) 670°220°170 Control Box Net Weight (kg) 12 Environment Charge -10°C-50°C Discharge-10°C-55°C[4] Operating Temperature Charge -10°C-55°C[4] Operating Altitude <a>3000m Installation Wall-mounted or Floor-mounted Ingress Protection Rating IP65 Warranty 10 years Cycle Life > = 7000 cycles (5) Scalability Max30 Modules in paralell (113.6kWh)	System Dimensions (W*H*D) (mm)	670*900*170	670*1215*170	670*1530*170	670*1845*170
Module Battery Module Model Number BLH-RESS-BM-5200 Battery Module Energy(kWh) 3.8 Battery Module Usable Energy(kWh) 3.6 Rated Battery Module Voltage(V) 102.4 Battery Module Dimensions (W*H*D) (mm) 670*315*170 Battery Module Net Weight (kg) 38 Battery Control Box Model Number BLH-RESS-BC-5200 Max. Working Voltage(V) 576 Control Box Dimensions (W*H*D) (mm) 670*220*170 Control Box Dimensions (W*H*D) (mm) 670*220*170 Control Box Net Weight (kg) 12 Environment 2 Operating Temperature Charge *10*C-50*C Discharge*-10*C-55*C[4] Operating Humidity 0-95%RH, non-condensing Operating Altitude <3000m	System Net Weight (kg)[3]	94	132	170	208
Battery Module Nodel Number BLH-RESS-BM-5200 Battery Module Energy(kWh) 3.8 Battery Module Usable Energy(kWh) 3.6 Rated Battery Module Voltage(V) 102.4 Battery Module Dimensions (W*H*D) (mm) 670*315*170 Battery Module Net Weight (kg) 38 Battery Control Box Model Number BLH-RESS-BC-5200 Max. Working Voltage(V) 576 Control Box Dimensions (W*H*D) (mm) 670*220*170 Control Box Dimensions (W*H*D) (mm) 670*220*170 Control box Net Weight (kg) 12 Environment Operating Temperature Charge : 10*C-50*C [J] Scharge : 10*C-55*C[4] Operating Humidity 0-95%RH, non-condensing Operating Altitude <=3000m Installation Wall-mounted or Floor-mounted Ingress Protection Rating IP65 Warranty 10 years Cycle Life >=7000 cycles (5) Scalability Max30 Modules in paralell (113.6kWh) Certification	Communication	RJ45(RS485, CAN,Dry contact)			
Battery Module Energy(kWh) 3.8 Battery Module Usable Energy(kWh) 3.6 Rated Battery Module Voltage(V) 102.4 Battery Module Dimensions (W"H"D) (mm) 670°315°170 Battery Module Net Weight (kg) 3.8 Battery Control Box Model Number BLH-RESS-BC-5200 Max. Working Voltage(V) 576 Control Box Dimensions (W"H"D) (mm) 670°220°170 Control Box Net Weight (kg) 12 Environment Charge -10°C-50°C Operating Temperature Discharges-10°C-55°C[4] Operating Humidity 0-95%RH, non-condensing Operating Altitude <3000m	Module				
Battery Module Usable Energy(kWh) Rated Battery Module Voltage(V) Battery Module Dimensions (W*H*D) (mm) Battery Module Dimensions (W*H*D) (mm) Battery Module Net Weight (kg) Battery Module Net Weight (kg) Battery Control Box Model Number BLH-RESS-BC-5200 Max. Working Voltage(V) 576 Control Box Dimensions (W*H*D) (mm) 670°220°170 Control Box Net Weight (kg) 12 Environment Operating Temperature Operating Temperature Operating Humidity O-95%RH, non-condensing Operating Altitude =3000m Installation Wall-mounted or Floor-mounted Ingress Protection Rating Warranty 10 years Cycle Life >=7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Certification	Battery Module Model Number	BLH-RESS-BM-5200			
Rated Battery Module Voltage(V) Battery Module Dimensions (W*H*D) (mm) Battery Module Net Weight (kg) Battery Module Net Weight (kg) Battery Control Box Model Number BLH-RESS-BC-5200 Max. Working Voltage(V) 576 Control Box Dimensions (W*H*D) (mm) 670*220*170 Control Box Net Weight (kg) 12 Environment Operating Temperature Operating Temperature Operating Humidity O-9596RH, non-condensing Operating Altitude <3000m Installation Wall-mounted or Floor-mounted Ingress Protection Rating IP65 Warranty 10 years Cycle Life >=7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Certification	Battery Module Energy(kWh)	3.8			
Battery Module Dimensions (W*H*D) (mm) Battery Module Net Weight (kg) Battery Control Box Model Number BLH-RESS-BC-5200 Max. Working Voltage(V) 576 Control Box Dimensions (W*H*D) (mm) 670*220*170 Control Box Net Weight (kg) 12 Environment Operating Temperature Operating Humidity Operating Altitude operating Altitude Ingress Protection Rating Wall-mounted or Floor-mounted Ingress Protection Rating Warranty Cycle Life >= 7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Certification	Battery Module Usable Energy(kWh)	3.6			
Battery Module Net Weight (kg) Battery Control Box Model Number BLH-RESS-BC-5200 Max. Working Voltage(V) 576 Control Box Dimensions (W*H*D) (mm) 670*220*170 Control box Net Weight (kg) 12 Environment Operating Temperature Operating Humidity Operating Altitude c=3000m Installation Mall-mounted or Floor-mounted Ingress Protection Rating Wall-mounted or Floor-mounted Ingress Protection Rating Wall-mounted or Floor-mounted Ingress Protection Rating Marranty Cycle Life >=7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Certification	Rated Battery Module Voltage(V)	102.4			
Battery Control Box Model Number Max. Working Voltage(V) Control Box Dimensions (W*H*D) (mm) Control box Net Weight (kg) 12 Environment Operating Temperature Operating Humidity Operating Altitude Operating Altitude Ingress Protection Rating Wall-mounted or Floor-mounted Ingress Protection Rating Warranty 10 years Cycle Life >= 7000 cycles (5) Scalability Max.30 Modules in paralell (113.66Wh) Control Box Model Number 576 576 Charge: -10°C - 50°C Charge: -10°C - 50°C Discharge: -10°C - 50°C Operating Humidity Operating Humidity Operating Altitude -= 3000m Wall-mounted or Floor-mounted Ingress Protection Rating Max.30 Modules in paralell (113.66Wh) Certification	Battery Module Dimensions (W*H*D) (mm)	670*315*170			
Max. Working Voltage(V) Control Box Dimensions (W*H*D) (mm) Control box Net Weight (kg) 12 Environment Operating Temperature Operating Humidity Operating Altitude Ingress Protection Rating Wall-mounted or Floor-mounted Ingress Protection Rating Warranty Cycle Life >= 7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Control Box Dimensions (W*H*D) (mm) 670*220*170 Control Box Dimensions (W*H*D) (mm) 670*220*170 Control Box Dimensions (W*H*D) (mm) 670*220*170 Charge :-10°C~50°C Discharge:-10°C~50°C Discharge:-10°C	Battery Module Net Weight (kg)	38			
Control Box Dimensions (W*H*D) (mm) Control box Net Weight (kg) Environment Operating Temperature Operating Humidity Operating Altitude Ingress Protection Rating Warranty Cycle Life Scalability Oethig Control Box Net Weight (kg) 12 Charge:-10°C-50°C Discharge:-10°C-50°C Discharge:-10°C-55°C[4] Operating Humidity O-95%RH, non-condensing Vall-mounted or Floor-mounted Ingress Protection Rating IP65 Scalability Max.30 Modules in paralell (113.6kWh) Certification	Battery Control Box Model Number	BLH-RESS-BC-5200			
Control box Net Weight (kg) 12 Environment Charge:-10°C-50°C Discharge:-10°C-50°C Discharge:-10°C-55°C[4] Operating Temperature Operating Humidity 0-95%RH, non-condensing Operating Altitude <=3000m	Max. Working Voltage(V)	576			
Environment Operating Temperature Operating Humidity Operating Altitude Ingress Protection Rating Warranty Cycle Life Scalability Max.30 Modules in paralell (113.6kWh) Certification Charge :-10°C~50°C Discharge:-10°C~50°C Discharg	Control Box Dimensions (W*H*D) (mm)	670*220*170			
Operating TemperatureCharge:-10°C~50°C Discharge:-10°C~55°C[4]Operating Humidity0~95%RH, non-condensingOperating Altitude<=3000m	Control box Net Weight (kg)	12			
Operating Temperature Operating Humidity Operating Altitude Operating Altitude Installation Operating Protection Rating Operating Protection Rating Operating Altitude Operating Altitude Ingress Protection Rating IP65 Warranty IO years Operating Altitude Operating Altitude Ingress Protection Rating IP65 Warranty Operating IP65 Warranty Operating Altitude	Environment				
Operating Altitude <=3000m Installation Wall-mounted or Floor-mounted Ingress Protection Rating IP65 Warranty 10 years Cycle Life >= 7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Certification	Operating Temperature				
Installation Wall-mounted or Floor-mounted Ingress Protection Rating IP65 Warranty 10 years Cycle Life >= 7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Certification	Operating Humidity	0~95%RH, non-condensing			
Ingress Protection Rating Warranty 10 years Cycle Life >= 7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Certification	Operating Altitude	<=3000m			
Warranty Cycle Life >= 7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Certification	Installation	Wall-mounted or Floor-mounted			
Cycle Life >= 7000 cycles (5) Scalability Max.30 Modules in paralell (113.6kWh) Certification	Ingress Protection Rating	IP65			
Scalability Max.30 Modules in paralell (113.6kWh) Certification	Warranty	10 years			
Certification	Cycle Life	>= 7000 cycles (5)			
	Scalability	Max.30 Modules in paralell (113.6kWh)			
Certification IEC62619/CE/UKCA/UN38.3	Certification				
	Certification		IEC62619/CE/	UKCA/UN38.3	

 $^[1] Test \ Conditions \ - \ Temperature \ 25^{\circ}C, \ at \ the \ beginning \ of \ life, \ cell \ charge \ voltage \ between \ 2.8^{\sim}3.5V, \ 0.5C.$

 $^[2] Depends on the \ max. \ battery \ charge/discharge \ power \ of the \ inverter \ and \ BMS \ communication \ between \ inverter \ and \ battery \ system.$

 $[\]hbox{[3]+/-3\%, for accurate product weight please refer to actual product packaging label.}$

 $^[4] Charge\ derating\ occurs\ between - 10^{\circ}C \sim 10^{\circ}C.\ Discharge\ derating\ occurs\ between - 10^{\circ}C \sim 0^{\circ}C,\ 45^{\circ}C \sim 55^{\circ}C.$

 $[\]cite{Commended charging/discharging current.}$