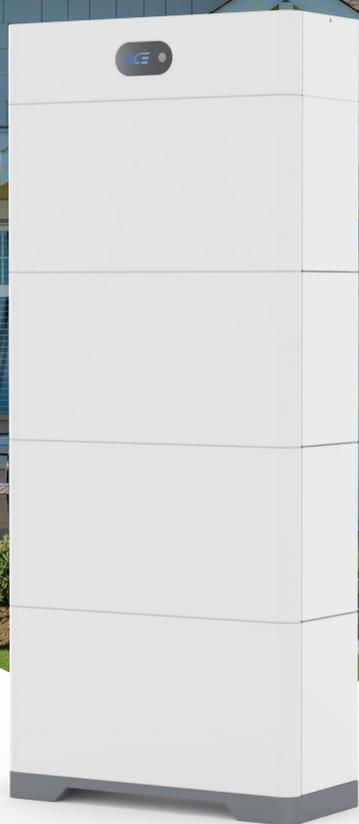


# RESS E20

## RESIDENTIAL ENERGY STORAGE SYSTEM (HIGH VOLTAGE)



### Scalable Configuration



Modular design: one storage cluster can support 2 to 5 battery modules. Energy storage clusters can be expanded in parallel to a max. energy capacity of 113.6kWh.



### High Safety



System design based on LFP batteries, which have greater thermal stability.



### Quick Installation



Wireless fast-plug stacking design to save installation time and cost.



### Long Service Life



Battery cycle life over 7000 at recommended conditions.



### IP65 Rating



IP65 water- and dust-proof, supports both indoor and outdoor installation.



### High Usage



Battery usable energy up to 95%.

# TECHNICAL DATA

Model number	RESS-BS-7.6-H1	RESS-BS-11.4-H1	RESS-BS-15.2-H1	RESS-BS-19-H1
<b>System</b>				
Battery System Energy (kWh)	7.6	11.4	15.2	19
Usable Energy (kWh)[1]	7.2	10.8	14.4	18.1
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	268.8~336	358.4~448	448~560
Recommended Charging/Discharging Power (kW)	3.8	5.7	7.6	9.5
Max. Output Power (kW)[2]	6.6	9.9	13.3	16.6
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)	625*830*250	625*1145*250	625*1460*250	625*1775*250
System Net Weight (kg)[3]	105	149	193	237
Communication	RJ45( RS485, CAN,Dry contact)			
<b>Module</b>				
Battery Module Model Number	RESS-BM-10237-H1			
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)	625*315*250			
Battery Module Net Weight (kg)	44			
Battery Control Box Model Number	RESS-BC-51237-H1			
Max. Working Voltage(V)	512			
Control Box Dimensions (W*H*D) (mm)	625*150*250			
Control Box Net Weight (kg)	12			
<b>Environment</b>				
Operating Temperature	Charge :-10°C~50°C Discharge:-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	10years			
Cycle Life	>=7000 cycles[5]			
Scalability	Max.30 Modules in paralell (113.6kWh)			
<b>Certification</b>				
Certification	IEC62619/CE/UN38.3			

[1]Test Conditions - Temperature 25°C, at the beginning of life, cell charge voltage between 2.8~3.5V, 0.5C.

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

[3]+/-3%, for accurate product weight please refer to actual product packaging label.

[4]Charge derating occurs between-10°C~10°C. Discharge derating occurs between-10°C~0°C, 45°C~55°C.

[5]25°C ambient temperature, recommended charging/discharging current.

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