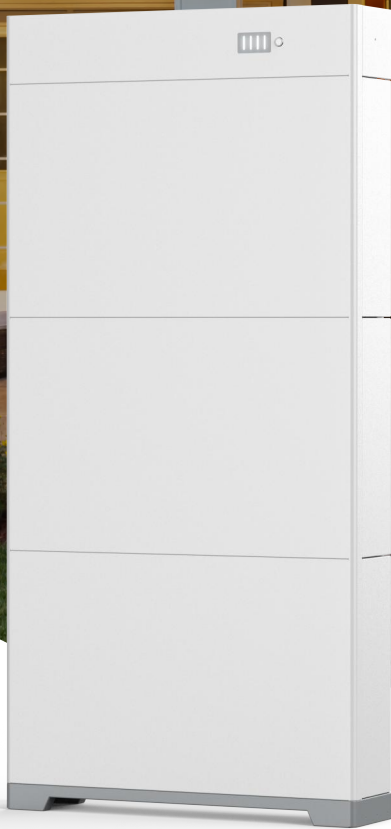




RESS E20

RESIDENTIAL ENERGY STORAGE SYSTEM (LOW VOLTAGE)



Scalable Configuration



Modular design: one storage system can support 1 to 3 battery units.



High Safety



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



Quick Installation



Fast-plug connector design to save installation time and cost.



Long Service Life



More than 7000 cycles at recommended condition.



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-6.6-L0	RESS-BS-13.2-L0	RESS-BS-19.8-L0
System			
Battery System Energy (kWh)	6.6	13.2	19.8
Usable Energy (kWh)[1]	6.3	12.5	18.8
Number of Battery Modules	1	2	3
Rated Battery Voltage (V)	51.2	51.2	51.2
Operating Battery Voltage Range (V)	44.8~56	44.8~56	44.8~56
Recommended Charging/Discharging Power (kW)	2.9	5.8	8.7
Max. Output Power (kW)[2]	5.8	9.3	12.2
Recommended Charging/Discharging Current(A)	65	130	195
Max. Charging/Discharging Current(A)	130	208	273
System Dimensions (W*H*D) (mm)	725*620*170	725*1060*170	725*1500*170
System Net Weight (kg)[2]	76	136	196
Communication	RJ45(RS485, CAN,Dry contact)		
Module			
Battery Module Model Number	RESS-BM-051130-L0		
Battery Module Energy(kWh)	6.6		
Battery Module Usable Energy(kWh)	6.3		
Rated Battery Module Voltage(V)	51.2		
Battery Module Dimensions (W*H*D) (mm)	725*440*170		
Battery Module Net Weight (kg)	60		
Battery Power Distribution Model Number	RESS-PD-051130-L0		
Max. Working Voltage(V)	512		
Control Box Dimensions (W*H*D) (mm)	725*130*170		
Control Box Net Weight (kg)	10		
Environment			
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]		
Certification			
Certification	IEC62619/CE/UKCA/UL1973/UL9540A/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.

[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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