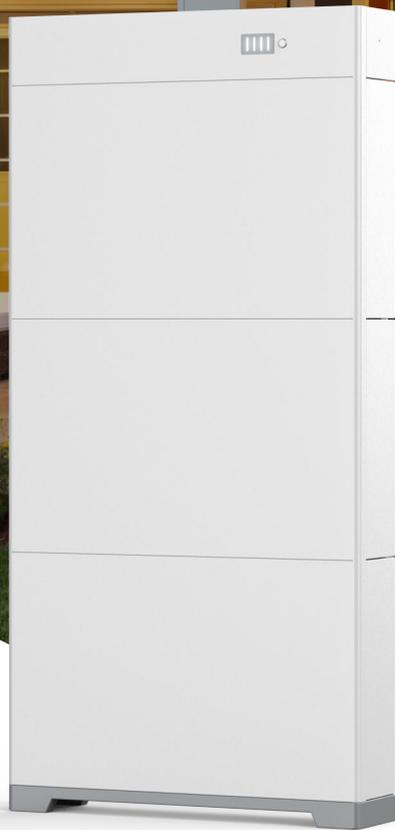




# RESS E20

## RESIDENTIAL ENERGY STORAGE SYSTEM (LOW VOLTAGE)



### Scalable Configuration



Modular design: one storage cluster can support 1 to 3 battery modules.



### 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.



### IP66 Rating



IP66 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	RESS-BS-26.4-L0
<b>System</b>				
Battery System Energy (kWh)	6.6	13.2	19.8	26.4
Usable Energy (kWh)[1]	6.3	12.6	19.0	25.3
Number of Battery Modules	1	2	3	4
Rated Battery Voltage (V)	51.2	51.2	51.2	51.2
Operating Battery Voltage Range (V)	44.8~56	44.8~56	44.8~56	44.8~56
Recommended Charging/Discharging Power (kW)	3.3	6.6	10.0	10.0
Max. Output Power (kW)[2]	5.8	9.3	12.2	12.2
Recommended Charging/Discharging Current(A)[2]	65	130	195	195
Max. Charging/Discharging Current(A)[2]	130	208	273	273
System Dimensions (W*H*D) (mm)	725*620*170	725*1060*170	725*1500*170	725*1940*170
System Net Weight (kg)[3]	69	129	189	249
Communication	RJ45( RS485, CAN,Dry contact)			
<b>Module</b>				
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			
Control Box Dimensions (W*H*D) (mm)	725*130*170			
Control box Net Weight (kg)	7			
<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	<=4000m			
Installation	Wall-mounted or Floor-mounted			
Ingress Protection Rating	IP66			
Warranty	10years			
Cycle Life	>=7000 cycles[5]			
Scalability	Max.16 Modules in parallel (105.6kWh)			
<b>Certification</b>				
Certification	IEC62619/CE/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 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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