Residential ESS— Rack Mounted

Model	LDESS-R05-15100	LDESS-R05-16100	LDESS-R05-16314
Performance Specification			
Battery Chemistry	($LiFePO_4$)		
Rated Energy	5.12kWh	10.24kWh	16kWh
Rated Voltage	51.2V		
Rated Capacity	100Ah	200Ah	314Ah
Max. Charging/Discharging Current	100A	150A	150A
Recommended Charging Current	50A	100A	150A
Output Voltage Range	44.8V~57.6V		
Scalability	Up to 16 units		
Efficiency	>98%		
Operating Data			
Operation Temperature	Battery discharge: -20°C～60°C,battery charge: 0°C～50°C		
Storage Temperature	-5°C~35°C		
Humidity	5~95%(No Condensing)		
Altitude	≤3000m		
Power Cable Connectors	ESS-120A-25-B/S		
Installation Mode	Rack(19'')installation		
Installation	Indoors		
Communication	CAN, RS485,WiFi(Optional)		
Cycle Life	≥6000 cycles		
Design Life	>10 years		
Warranty	10 years		
Battery Cell Certification	UL 9540A, IEC 62619, UN 38.3, CE, RoHS		
Packaging Parameters			
Product Dimension L*W*H(mm)	479*133*442	600*222*440	500*730*230
Package Dimension L*W*H(mm)	560*530*210	675*480*220	/
N.W(kg)	45	83	105
G.W(kg)	48	87	/

*The dimensions are measured when the battery is lying flat.