Residential ESS— Wall Mounted

Model	LDESS-L01-08100	LDESS-W05-16100	LDESS-W02-16200
Performance Specification			
Battery Chemistry	($LiFePO_4$)		
Rated Energy	2.56kWh	5.12kWh	10.24kWh
Rated Capacity	25.6V	51.2V	51.2V
Max. Charging/Discharging Current	100Ah	100Ah	200Ah
Max. Charging/Discharging Current	100A		
Recommended Charging Current	50A		
Output Voltage Range	44.8V~57.6V		
Scalability	Max. 63 pcs pack (Max. 161kWh) in parallel	Max. 63 pcs pack (Max. 322kWh) in parallel	Max. 63 pcs pack (Max. 645kWh) in parallel
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		
Display Type	LED/LCD/Touch Screen(Optional)		
Protection Grade	IP20/IP65(Optional)		
Installation	Indoors		
Communication	CAN, RS485		
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)	454*135*410	590*132*392	800*132*486
Package Dimension L*W*H(mm)	/	675*480*220	880*565*240
N.W(kg)	25	45	86
G.W(kg)	28	48	90

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