

L SERIES

LV Battery

5 | 10 | 16 kWh



Triple-layer Safety
Battery cell × electrical
× structural protection
integrated



Self-developed BMS
Precise cell balancing,
protection & real-time
monitoring



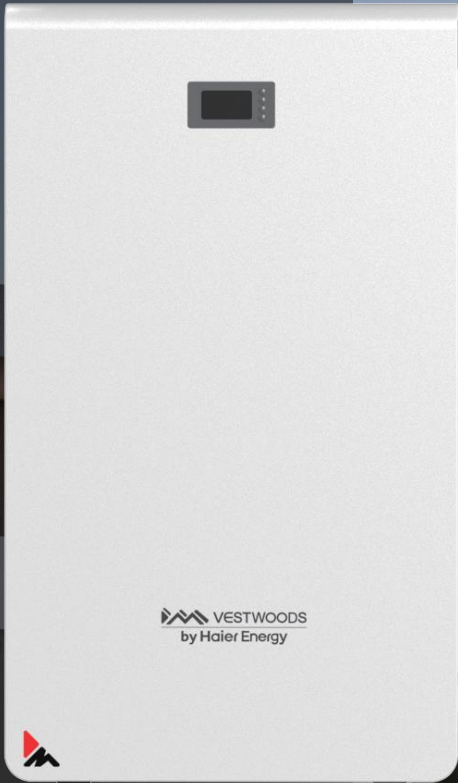
High Compatibility
Major inverter matched
Convenient LCD display
to choose different
inverters



High-temp Resistance
Deliver stable power
up to 55°C



Smart Monitoring
Optional large color
touchscreen, Bluetooth,
and APP connectivity
for flexible monitoring



Model	VE51100L	VE51200L	VE51314L	VE51314L-P	VE51314L-S
Cell Type	LFP				
Nominal Energy	5.12kWh	10.24kWh	16.07kWh	16.07kWh	16.07kWh
Nominal Capacity	100Ah	200Ah	314Ah	314Ah	314Ah
Nominal Voltage	51.2V				
Operating Voltage Range	42.0-57.6V				
Nominal Charge Voltage	57.6V				
Charge Current/Max. Continuous	100A	200A	200A	200A	157A
Discharge Cut-off Voltage	42.0V				
Discharge Current/Max. Continuous	100A	200A	200A	200A	157A
Recommended Depth of Discharge	80%				
Ambient Temperature/Charge	0-60°C				
Ambient Temperature/Discharge	-20-60°C				
Dimension(W*H*D)mm	420*700*150	580*802*150	500*880*240	500*880*240	500*880*240
Weight	Approx. 45.0kg	Approx. 82.0kg	Approx. 114kg	Approx. 114kg	Approx. 114kg
IP Rating	IP20	IP20	IP20	IP65	IP65
Expansion	Max. 15 Units in Parallel				
Color	White				
Communication	CAN/RS485				
Interaction	LCD Screen				Color Touchscreen, Bluetooth and WiFi
Additional Features	Auto Addressing (VE51314L-S only), Electric Heating (Optional for VE51314L-S)				
Cooling Mode	Natural Cooling				
Cycle Life	6000 Cycles, 80%DOD@25°C		8000 Cycles, 70%DOD@25°C		
Design Life	15+ Years (25°C)				
Installation Method	Floor/Wall Mounted				
Allowed Humidity Range	≤95% RH				
Altitude	<2000m				
Protections	Over Charge/Over Discharge/Over Temperature Over Current/Short Circuit etc.				
Compatible Inverters	Deye/Solis/Hoymiles/Senergy/Afore/Megarevo/SRNE/Inhenergy etc.				
Certifications	UN38.3, IEC62619, CE-EMC, Rohs				