

E-HARBOR

LV All-in-one Residential ESS

5kW | 5kWh

8kW | 16kWh

IP54

IP54 High Protection
Better protection rating keeps humidity, dust and insects out of device, providing longer duration.

BMS

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

Up to 8kW Output

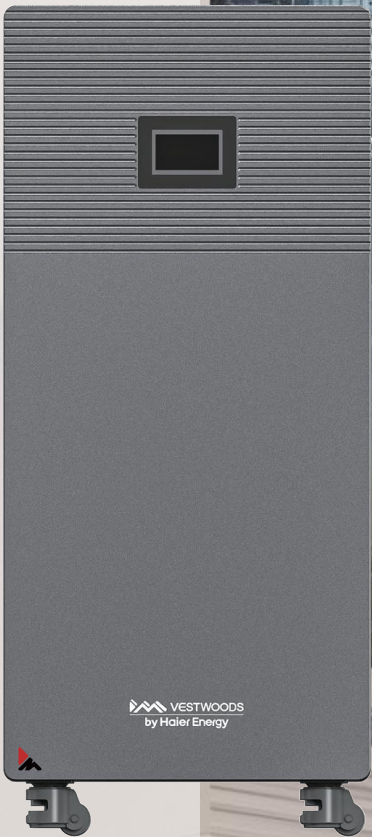
Supports 1C charging/ discharging rate

Flexible PV Selection

Up to 18A per MPPT
70V startup voltage

Wide Grid Range

Wide grid voltage adaptation range of 90-280V



VESTWOODS
by Haier Energy



Model	VEH512-S5KL1-LV	VEH160-S8KL1-LV
System Data		
Rated Power	5kW	8kW
Rated Voltage	51.2V	
Nominal Energy	5kWh	16kWh
Max. Charge/Discharge Current	100A	165A
Working Temp. Range	0~55°C(Charge) ; -20~55°C (Discharge)	
Dimensions (W*H*D)	550*850*180mm	550*1100*240mm
Weight	Approx. 60kg	Approx. 130kg
Expansion	Max. 6pcs in parallel	
Cooling	Fan Cooling	
IP	IP54	
PV Input		
Max. MPPT Input Power	10000W	12000W
Max. Input Voltage	500Vdc	
Rated Input Voltage	370Vdc	
MPPT Voltage Range	60~450Vdc	
No. Of MPPT/ String Per MPPT	2/1+1	
Max. Input Current Per MPPT	18+18A	
Max. Short Circuit Current Per MPPT	27+27A	
Grid Input		
Rated Grid Voltage	220/230/240±5%Vac	
Voltage Input Range	90~280Vac	
Rated Grid Frequency	50/60Hz	
Max. Input Current	40A	50A
THDi	<3% (of nominal power)	
Backup Data		
Rated Output Power	5000W	8000W
Rated Output Current	27A	35A
Rated Output Frequency	50/60±0.1%	
Overload Capability	1min@101~110%; 10s @110~150%; 5s@150~200%;100ms@ >200%	
THDv	<3%	
Efficiency		
Max. Efficiency	97.0%	
MPPT Tracking Efficiency	99.9%	
Others		
Installation	Floor-mounted	
Design Standards	IEC 62109-1:2010, EN IEC 61000-1:2019, UN38.3, IEC62619, Rohs	