

# KiloVault® HAB™

7.5kWh Lithium Wall-Mount  
Energy Storage System



## Revolutionary, Expandable, Safe, Deep Cycle Solar Batteries

KiloVault® HAB™ Wall Mount Energy Storage System is now ETL Certified to UL Standard 9540, 1973. Additional enhancements for the HAB allow this new version to be compatible with prior versions. Also, the communication ports include a universal connector, allowing for setup to be even more convenient.



### Integrated WiFi for Management

Built-in WiFi allows connection to a local device or the HAB IT cloud performance monitoring network.

**NEW!**



### Certified ETL to UL Standard 9540

A safety standard for batteries in an energy storage system. Now, systems can be approved and installed more quickly, in applications and projects that require it.



### Integrated Inverter Communication Support

Built-in Modbus provides digital communications with advanced inverters from Schneider and others.

**NEW!**



### Compatible with prior versions

Battery Management System (BMS) firmware and hardware have been updated to allow earlier versions and the HAB to be used together, if expansion is needed.



### Increased Ventilation

Improved performance in warm climates, prolonging the life of the cells, and the life of the battery. Solid plates to swap in the vents for weather resistance.

### LED/LCD

### Intelligent LED & LCD Display

Easily view state of charge with the LED bar and access detailed performance and operating data on the built-in LCD display.



### Larger Wiring Access Panel

More space for making connections. Entry available from left, right and bottom - giving greater flexibility and easier serviceability.



### Expandable To 3.3 MWh/Month

Parallel up to 14 HABs to provide 3.3 Megawatt hours of storage per month.

## Electrical Specifications

ITEM	SPECS
Model	HAB™ 7.5
Battery Type	LFP
Maximum Continuous Charge Current	50 A*
Maximum Continuous Discharge Current	60 A*
Maximum Continuous Discharge Power	7.2 kW
Minimum Discharge Voltage	48.0 V
Nominal Energy	7.5kWh
Nominal Capacity	150Ah
Nominal Voltage	51.2 VDC
Peak Discharge Current	(3s) 500 A
Peak Discharge Power	(3s) 25 kW
Standard Charge Voltage	56.4 V
Recommended Floating Charge Voltage	55.2 V
High Voltage Cutout	59.0 V
Operational Temperature Range*	32° to 113° F (0° to 45° C)
Weight	Over 207 lb (94 kg)
WiFi	802.11 b/g/n
Intra-Battery Network	CAN bus Modbus via RS485
Compliance Certifications:	Certified ETL to UL Standard 9540, 1973; UL1642: UN38.3; EC62619; SHA18001/ISO45001;
Warranty	10 Year

### \*Manufacturer Operating Parameters by Charging Profile

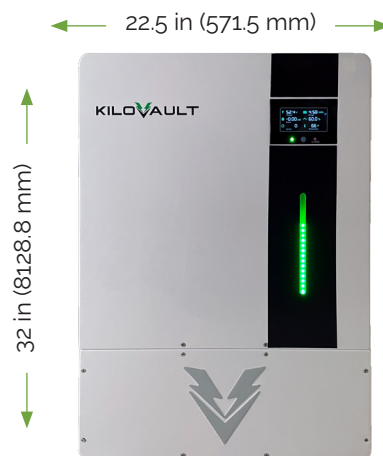
	10 Year Extended Life Warranty	7.5 Year Extended Life Warranty
Discharge Rate	60A	150A
Charge Rate	50A	120A
Cycle Life	6000 Cycles (80% DoD)	4000 Cycles (80% DoD)

## Environmental Specifications

ITEM	SPECS
Working Environment	Indoors or outdoors, away from direct exposure to rain or sun.
Operating Temperature	32° to 113° F (0° to 45° C)
Recommended Operating Temp	77°F (25° C)
Storage Temperature	-4 to 110° F (-20° C to 45° C)
Maximum Altitude	Under 9843 feet (3000 m)

## Physical Specifications

ITEM	SPECS
Weight	230 lb (105 kg)
Height	32 in (812.84 mm)
Width	22.5 in (571.5 mm)
Depth	9.5 in (241.3 mm)
Hanging Bracket	0.51 in (13 mm)
Ingress Rating	IP54 with vented plates IP55 with solid plates



9.5 in (241.3 mm)

