

# KiloVault® HAB™ 7.5 V3

7.5kWh Lithium Wall-Mount  
Energy Storage System



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

KiloVault® HAB™ 7.5 V3 Wall Mount Energy Storage System now has a new and improved look - for easier installations! The HAB still provides a powerful 7.5 kilowatt-hours of storage, with the same safety and expandability, but with updated features that allow for a cleaner more convenient set up.



### High Safety LFP Battery

Non-toxic, thermally stable lithium iron phosphate (LFP) chemistry offers maximum safety and longevity. Cells are UL1642 certified.

**NEW!**



### Improved Wall Mount Design

Larger integrated lift handles provide for easier vertical lift onto the wall mounting bracket, making lifting during installation easier



### Integrated Inverter Communication Support

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



### Integrated WiFi for Management

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

**NEW!**



### 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.

**NEW!**



### 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	7.5 kW
Minimum Discharge Voltage	48.0 V
Low Voltage Cutout	48.2 V
Rated Energy	7.5 kWh
Nominal Capacity	150 Ah
Nominal Voltage	51.2 VDC
Operational Temperature Range*	32° to 113° F (0° to 45° C)
Peak Discharge Current	(3s) 500 A
Peak Discharge Power	(3s) 25 kW
Bulk/Absorption Voltage	56.2 V
Standard Charge Voltage	56.4 V
High Voltage Cutout	57.0 V
Weight	Over 207 lb (94 kg)
WiFi	802.11 b/g/n
Intra-Battery Network	CAN bus
Modbus	via RS485
Warranty	10 Year Limited Warranty*

### \*Manufacturer Operating Parameters by Charging Profile

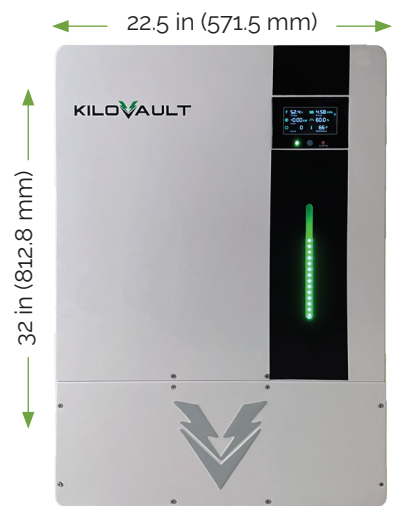
	10 Year Extended Life Warranty	7.5 Year Extended Charge Rate Warranty
Discharge Rate	60 A	150 A
Charge Rate	50 A	120 A
Cycle Life	6000 Cycles (80% DoD)	4000 Cycles (80% DoD)

## 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° (F25° 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 (812.8 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 w/ vented plates IP55 with solid plates



9.5 in (241.3 mm)

