

# KiloVault<sup>®</sup> HAB<sup>™</sup> Series

7.5kWh Lithium Wall-Mount  
Energy Storage System



**NEW FOR  
2020!**

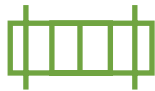
## Revolutionary, Expandable, Safe, Deep Cycle Solar Batteries

KiloVault<sup>®</sup> HAB<sup>™</sup> Wall-Mount Energy Storage System provides a 7.5 Kilowatt-hours of storage in a single unit. Up to five units can be used together for over 37kWh of capacity. The HAB has been designed for trouble-free mounting and is easy to connect with other systems components.



### High Safety LFP Battery

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



### Wall-Mounted Integrated Design

Sleek, wall-mounted design looks great with the rest of your power system.



### 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.



### Long Cycle Life

After 4000 cycles at 80% Depth-of-Discharge the HAB will still have 80% of capacity left.



### High Charge/ Discharge Current

Charge up to 120A (continuous) and discharge up to 150A (continuous) / 500A (peak 3 sec).

### 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.



### Expandable To 1.2 MWh/Month

Parallel up to 5 HABs to provide 1.2 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	48.0 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
Recommended Floating Charge Voltage	55.2 V
Standard Charge Voltage	56.4 V
High Voltage Cutout	59.0 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*

\* Duration of Warranty is determined by charging profile - ie a higher charge/discharge rate is possible, but will result in a shorter warranty period. See Warranty Document for details.

### \*Manufacturer Operating Parameters by Charging Profile

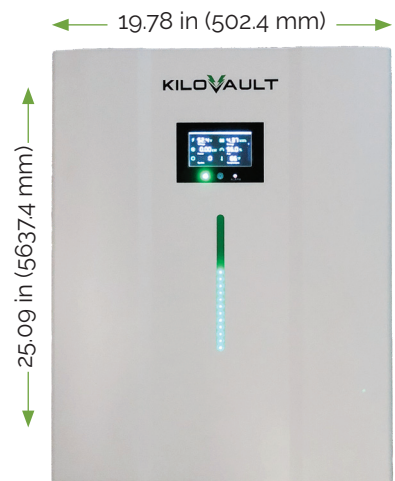
	10 Year Extended Life Warranty	7.5 Year Extended Charge Rate Warranty
Discharge Rate	60 A	150 A
Charge Rate	50 A	120 A

## 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	208 lb (94 kg)
Height	25.09 in (637.4 mm)
Width	19.78 in (502.4 mm)
Depth	8.79 in (223.4 mm)
Hanging Bracket	0.51 in (13 mm)
Ingress Rating	IP51



8.79 in (223.4 mm)

