



KiloVault® HLX+ Bridge

Battery Monitoring Screen
for HLX+ series batteries

Perfect for KiloVault® HLX+ series of Lithium Battery Series

This Monitoring Screen, a high-precision meter, is the perfect companion to the HLX+ series Lithium Iron Phosphate Batteries. Instead of measuring the current flowing in/out of the battery bank using a shunt, it can communicate directly with the battery management system (BMS) and obtain more accurate state of charge (SoC) readings compared to traditional battery monitors. Other readings including voltage, current, capacity, warning codes, and number of paralleled or series batteries are also available to help users avoid abnormal conditions and extend the lifetime of the battery bank.



Accurate Monitoring

Obtains battery bank operation information directly from the battery management system (BMS) for precise tracking and prediction. Takes all the guesswork out of the battery bank.



Comprehensive Protection

Displays straightforward warning codes for quick recognition of potentially abnormal conditions and improper operation, helping extend the lifetime of the battery bank.



Easy Operation

Displays detailed battery bank information at the push of a page up/page down button without the need for system configuration or calibration.



Battery Bank

Monitors the charging/discharging process of the battery bank with inter-battery communication enabled.



Quick and Easy Mounting

It's a wall-mounted monitoring screen.



Integrated Bluetooth for Monitoring

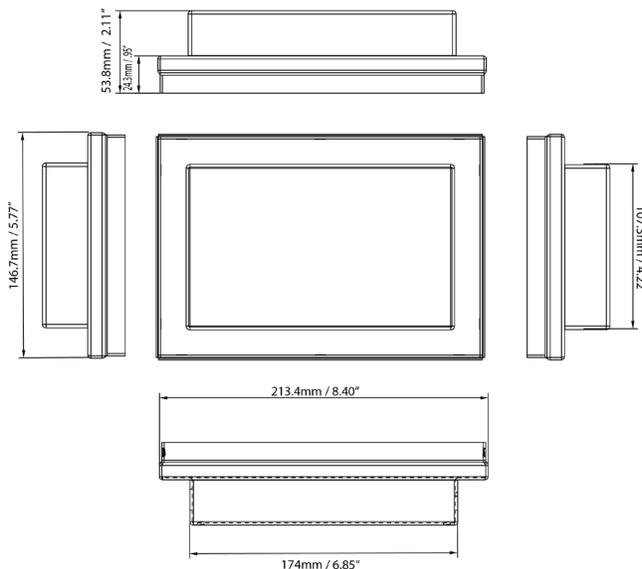
Built-in Bluetooth and the convenient KiloVault iT app make monitoring battery bank health and performance easy.

Battery Monitoring Screen for HLX+ series batteries

This monitoring screen is exclusively designed for HLX+ series batteries used in off-grid energy storage systems. Compatible with the HLX+1200, HLX+2400, HLX+3600 Lithium Iron Phosphate Batteries . If you are using the HLX+ Bridge with your bank of HLX+ batteries, then you can use the maximum configuration of 4 parallel strings of 4 batteries in series, even if the installation location will go below freezing.

Electrical Specifications

ITEM	SPECS
Model	HLX+ Bridge
Supply Voltage	12Vdc - 60Vdc
Power Consumption	110mA
Operating Temperature	-20-75°C
Humidity (Non-Condensing)	5-75%RH
Battery Configuration	12, 24, 36,48VDC
Communication	RJ45 (RS485 Protocol)



Enclosure

ITEM	SPECS	
Color	Black	Aluminum
Connection Terminals	MODBUS	Connection to Inverter (RS485 Communication)
	CAN	Connection to HLX+ battery
	CAN	Connection to inverter (CAN Communication)
Dry Contacts	V+	Positive input Power
	V-	Negative Input Power
	DC12V	Wall Plug Provided with unit
	DRY1	Dry Contact 1 (Normally Open)
	DRY2	Dry Contact2 (Normally Open)
	DRY3	Dry Contact 3 (Normally Open)
	DRY4	Dry Contact 4 (Normally Open)
	COM	Common Port
Ingress rating	IP50	For Internal Use. Must be protected against water
Weight	1.74Lbs (790g)	
Dimensions	8.40"L x 5.77"H x 2.11"D (213.4 x 146.7 x 53.8mm)	