



KiloVault® HLX+ Series

Smarter and More Powerful.
It Runs Hot and Cold

The First Battery For All Climates

The new HLX+ Series from KiloVault is the first solar lithium battery made for both hot and cold. This premium product offers the features of both the HLX and CHLX series of batteries, at an exceptional value. Now ETL Certified to UL Standard 1973.



More Capacity

The cells in the HLX+ Series offer double the capacity of the prior version, providing increased power output and efficiency.



Better Communication

The optional HLX+ Bridge enables communications between groups of batteries, providing coordinated charging, discharging, and heating cycles.



Quiet Operation

The push-button display allows you to get instantaneous state-of-charge readings, giving you a better understanding of the health of your batteries.



The Safer Lithium Battery Technology

KiloVault's LFP technology isn't subject to the thermal runaway issues as with other lithium technologies. No active cooling needed.



Integrated Bluetooth for Monitoring

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



Extreme Temperature Operation

Now you have the best of both worlds - efficient operation in hot and cold environments - even down to sub-freezing temperatures!

Electrical Specifications

ITEM	SPECS		
Model	1200 HLX+	2400 HLX+	3600 HLX+
Rated Capacity	1200Wh	2400Wh	3600Wh
Rated Voltage	12.8Vdc	12.8Vdc	12.8Vdc
Nominal Amp-Hour Capacity	100Ah	200Ah	300Ah
Full Charge Voltage	14.2V	14.2V	14.2V
Continuous Discharge Current	100A	150A	200A
Maximum Discharge Current	100A	200A	200A
Peak Discharge Current (3Sec)	350A	500A	500A
Standard Charge Current	50A	100A	150A
Maximum Charge Current	80A	150A	200A
Discharge Cut-off voltage	10 ±0.2V	10 ±0.2V	10 ±0.2V



1200 HLX+ Physical Specifications

ITEM	SPECS
Weight	25.8 lbs (11.7kg)
Length	12.5 in (318mm)
Depth	6.5 in (165mm)
Height	9.25 in (235mm)

Additional Specifications

ITEM	SPECS
Operating Temperature Range (Internal to Battery)	Charging: 32 - 113 °F (0-45 °C) Discharging: -4 - 131 °F (-20 - 55 °C)
Ambient Temperature Range (External to Battery)	-4 to 113°F (-20 to 45°C)
Internal Heating	Approx. 15-2 hours to warm battery from -4°F to 41°F (-20° C to 5° C)
Optimal Temperature Range	59 - 95°F (15 - 35°C)
Self-Discharge Rate	≤3% per month
Estimated # of Cycles Until 80% of Rated Wh Capacity Remains	2000 cycles @ 100% Depth of Discharge 5000 cycles @ 80% Depth of Discharge
Voltage Configurations	12, 24, 36 or 48V
Maximum Configuration	4 parallel strings of 4 series batteries (16 with use of required HLX+ Bridge.) Otherwise, max of 4 batteries can be used in series OR parallel, but NOT both,
Battery Management System	Monitors and optimizes charge and discharge for each cell, provides overcharge, over discharge, temperature and short circuit protection.
Maximum Time Between Charges	6 months
Monitoring	Built-in Bluetooth and HLX IT app for on-site battery status monitoring
Compliance Certifications	ETL Certified to UL Standard 1973; UL1642; UN383; IEC62619; CE; OSHA 18001/ ISO45001; ISO 9001/14001
Ingress Rating	IPX4
Warranty	7.5 Year Limited Warranty



2400 HLX+ Physical Specifications

ITEM	SPECS
Weight	59.5 lbs (27kg)
Length	19.9 in (505mm)
Depth	6.77 in (172mm)
Height	10.1 in (255mm)



3600 HLX+ Physical Specifications

ITEM	SPECS
Weight	88.2 lbs (40kg)
Length	20.5 in (521mm)
Depth	11 in (280mm)
Height	9.25 in (235mm)