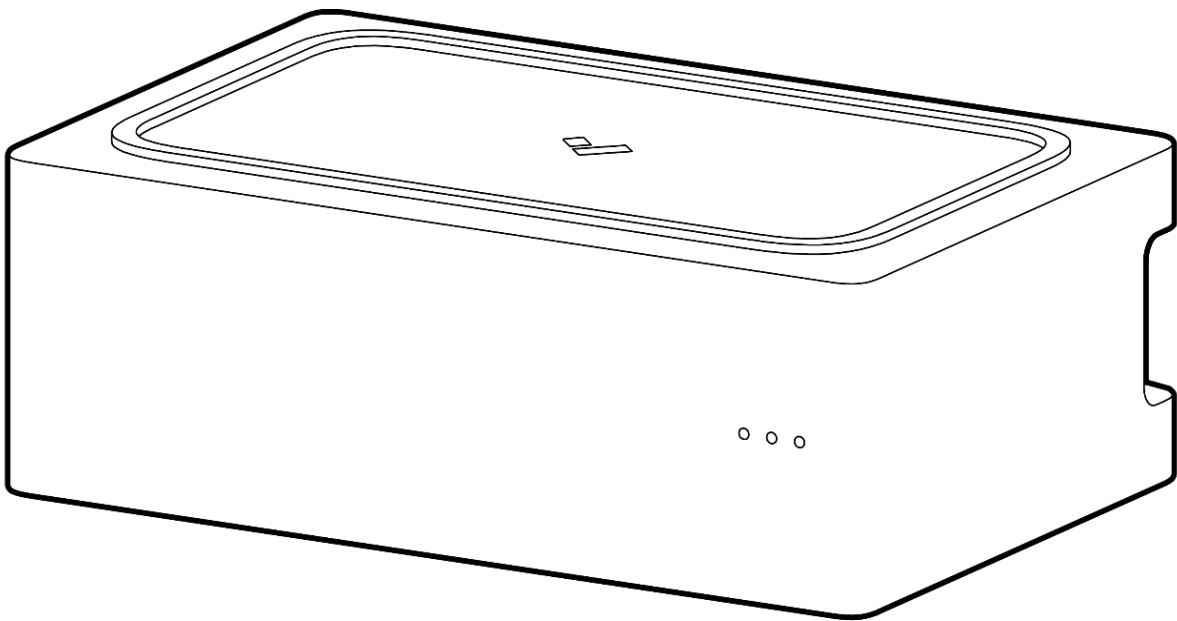


ACC-BAT-VBX2-75WH

Rechargeable LiFePO4 Battery Pack (75Wh)



Document Details

Version

V1.0 2260921

(V1.0 published 20260921)

Firmware

Firmware version can be verified on Verkada

Command command.verkada.com.

Product Models

This install guide pertains to models:

- ACC-BAT-VBX2-75WH

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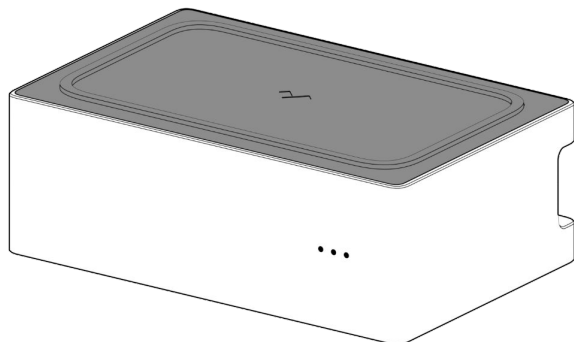
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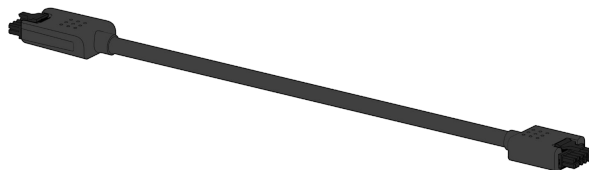
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What's in the box



**Rechargeable LiFePO4
Battery Pack**



VBX Cable

What you'll need

- BP42 Alarm Panel

Introduction

LED Behavior

On ACC-BAT-VBX2-75WH

	Battery LED
Battery Level (67-100%)	
Battery Level (34-66%)	
Battery Level (1-33%)	
Charging Battery	 0-33%  34-66%  67-100%
Battery Error	
Battery not connected	OFF

On Panel

	Panel Power LED
Power On	
Battery Backup	
No Power	Off



Introduction

LED Behavior

On AC Power

	AC Power LED (BP52)	Battery LED
Battery Level (67-100%)		
Battery Level (34-66%)		
Battery Level (1-33%)		
Charging Battery		 0-33% 34-66% 67-99%
Battery error		
Battery not connected		OFF

On Battery Backup

	AC Power LED (BP52)	Battery LED
Battery Level (67-100%)		
Battery Level (34-66%)		
Battery Level (1-33%)		
Charging Battery	N/A	N/A
Battery error		
Battery not connected	OFF	OFF



Technical Specifications

Output Voltage	25V Nominal
Rated Capacity	77Wh
Charge Current	1A
Discharge Current	6A max
Dimensions	155mm.0 (L) x 100.4mm (W) x 57mm (H)
Weight	1.3kg / 2.8lb
Operating Temp. & Humidity	0°C-50°C / 32°F-122°, 0-90% RH non-condensing
Storage Temp. & Humidity	-20°C - 35°C (3 months) -20°C - 25°C (12 months) 0 - 65% Relative Humidity Storage duration: 1 year
Compliance	For hardware certification information, please visit verkada.com/compliance

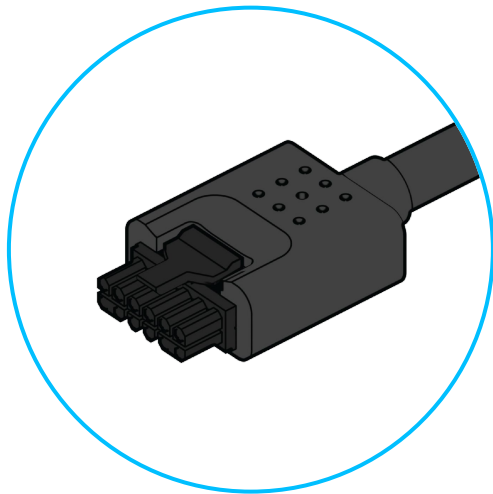
Verkada Panel Battery Installation

Warning

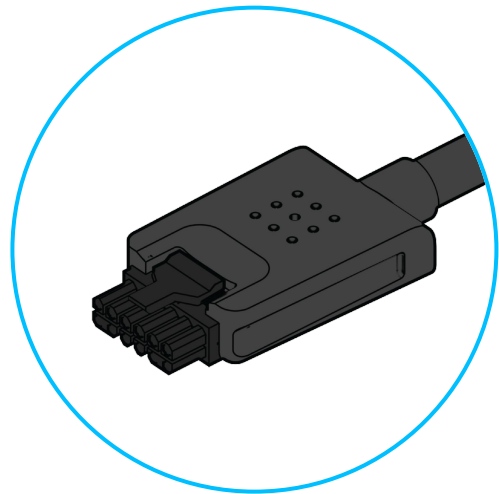
Do not install batteries until all wiring and servicing complete.

Panel readiness is indicated when the status LED turns blue.

Retrieve the VBX Cable, and note the ends of the cable.

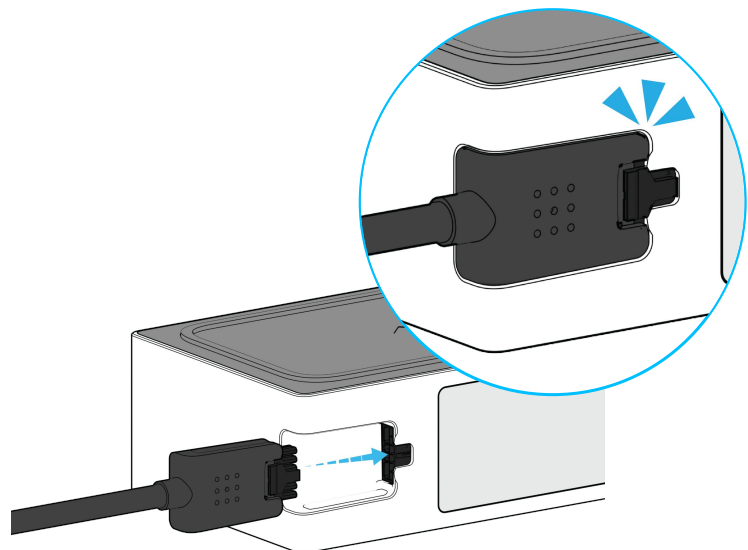


Host Connector



VBX Connector

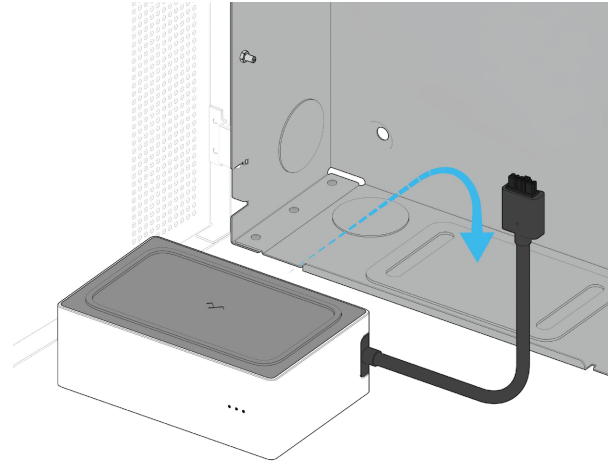
With the VBX connector end of the cable, plug it into the battery following the grooves until it clicks into position.



Installation

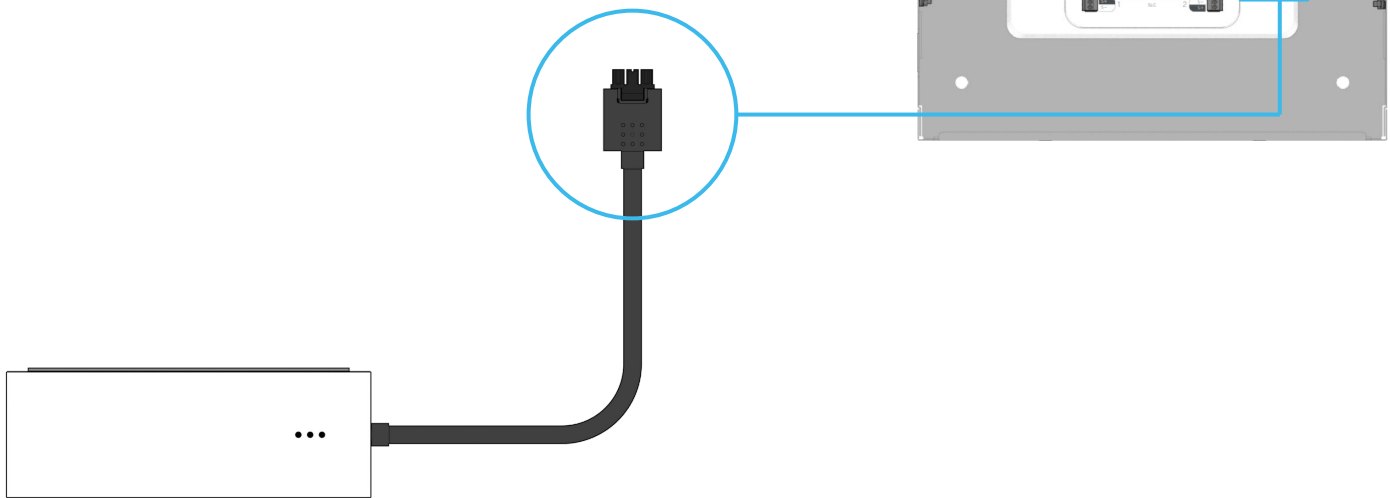
Verkada Panel Battery Installation

Place Battery into compatible panel enclosure, using the registration feature.



BP42 Panel

With battery in enclosure, take Host Connector side of cable and plug it into VBX port on respective Panel.



Calculate Number of Batteries needed

To calculate the backup capacity needed for your system, add the power of all high load devices connected to your system and multiply this number by the number of hours of backup time required.

Divide the battery capacity needed by the power the ACC-VBX2-75WH battery pack provides to determine the number of packs needed:

$$\text{\# of Battery Packs Needed} = K / 75\text{Wh}$$

Battery Capacity vs Temperature

Batteries capacity is not impacted by higher operating temperature, but batteries operating at lower ambient temperatures have reduced capacity.

Subtract 1% capacity for every degree operating ambient temperature below 20°C

Example: Operating temperature is 10°C

Battery capacity is $100\% - (20-10)\% * 77\text{Wh}$

$= 90\% * 77\text{Wh}$

$= 69\text{Wh}$

Warning

Safety (as translated from the Pack specification)

- Do not dispose of in fire
- Do not expose to temperatures above 70C
- Use only in a dry environment
- Do not strike, crush, drop, pierce or otherwise damage the pack
- Do not short the battery terminals
- Use only in genuine Verkada equipment in the manner defined in the User's Manual

Appendix

Support

Thank you for purchasing this Verkada product. If for any reason you're experiencing issues or need assistance, please contact our 24/7 Technical Support Team immediately.

Sincerely,
The Verkada Team
verkada.com/support

