

# BATTLE BORN®

Unstoppable Power Solutions

## Battle Born DualFlow Power Pack Install Guide

For Technical Support, please contact:

855.292.2831

[trucking@battlebornbatteries.com](mailto:trucking@battlebornbatteries.com)



POWERED BY  
**dragonfly**®  
ENERGY

## Product Overview

The Battle Born® DualFlow Power Pack is a lithium-based energy storage system designed for installation in heavy-duty sleeper cab trucks. Its primary function is to power 12V hotel loads—such as cabin lights, fans, and inverters—while the truck is parked, without drawing from the starter batteries. This helps reduce unnecessary engine idling and prolongs starter battery life.

The unit is compact and installs under the sleeper bunk without requiring modifications to existing electrical systems. It is compatible with a wide range of truck models and integrates with Wakespeed® Charge Control Technology to recharge while the truck is in motion, utilizing existing alternator power.

This guide will walk through the installation process for the DualFlow Power Pack, including system layout, electrical connections, and safety considerations.

**Disclaimer:** The installation of low voltage electrical systems takes a great deal of care and precision for optimal outcomes and safety. Please use best practices when disconnecting and connecting cables in a low voltage system.



Do not short DualFlow Power Pack terminals.  
Do not reverse polarity.  
Do not attempt to disassemble.  
Do not drop or mishandle.  
Do not immerse in water.  
Do not operate with loose connections.  
Ensure input and outputs are connected to correct terminal.  
Ensure cables sizes are appropriate for the current draw required.

## Tools Required

- 3/16" Hex Key
- 17mm Wrench
- Torque Wrench with 17mm Socket

## Preparation

The DualFlow Power Pack can be installed oriented on all four sides, maximizing optimal cable organization for each installation. In preparation for the installation, remove all belongings from the selected under-bunk location to make room for the DualFlow Power Pack.

### Standard Mount



Graphic 1 Dimensions of the Battle Born DualFlow Power Pack

### Side Mount

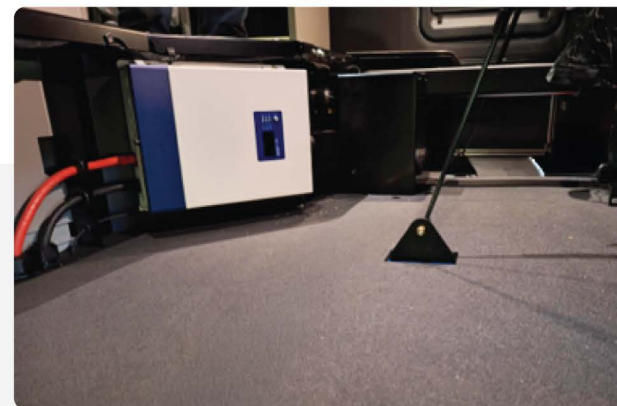


Image 1 Cleared Out Under-Bunk Space

## Installation

The DualFlow Power Pack comes with 2 different style mounting brackets. The two different options provide a standard orientation install and a tall orientation install.



Images 2 & 3 Mounting Brackets



Standard Orientation



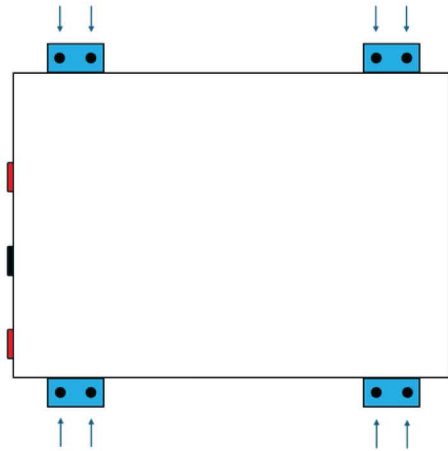
Tall Orientation

Graphic 2 Installation Orientations & Their Associated Mounting Brackets

The provided installation kit includes four straight brackets, four 90° brackets, and the hardware required to mount the brackets to the main assembly. Mount the brackets to the main assembly using a 3/16" Hex Key.

*Note: It is recommended to install bolts with a thread locking compound.*

Each bracket has two mounting holes, giving eight points you can use to secure the DualFlow Power Pack to the base of the cab. Attach the brackets to the Power Pack as shown, then bolt them to a reinforced area of the cab base with hardware suited to your vehicle. Follow any additional vehicle specific guidelines to finish the installation.



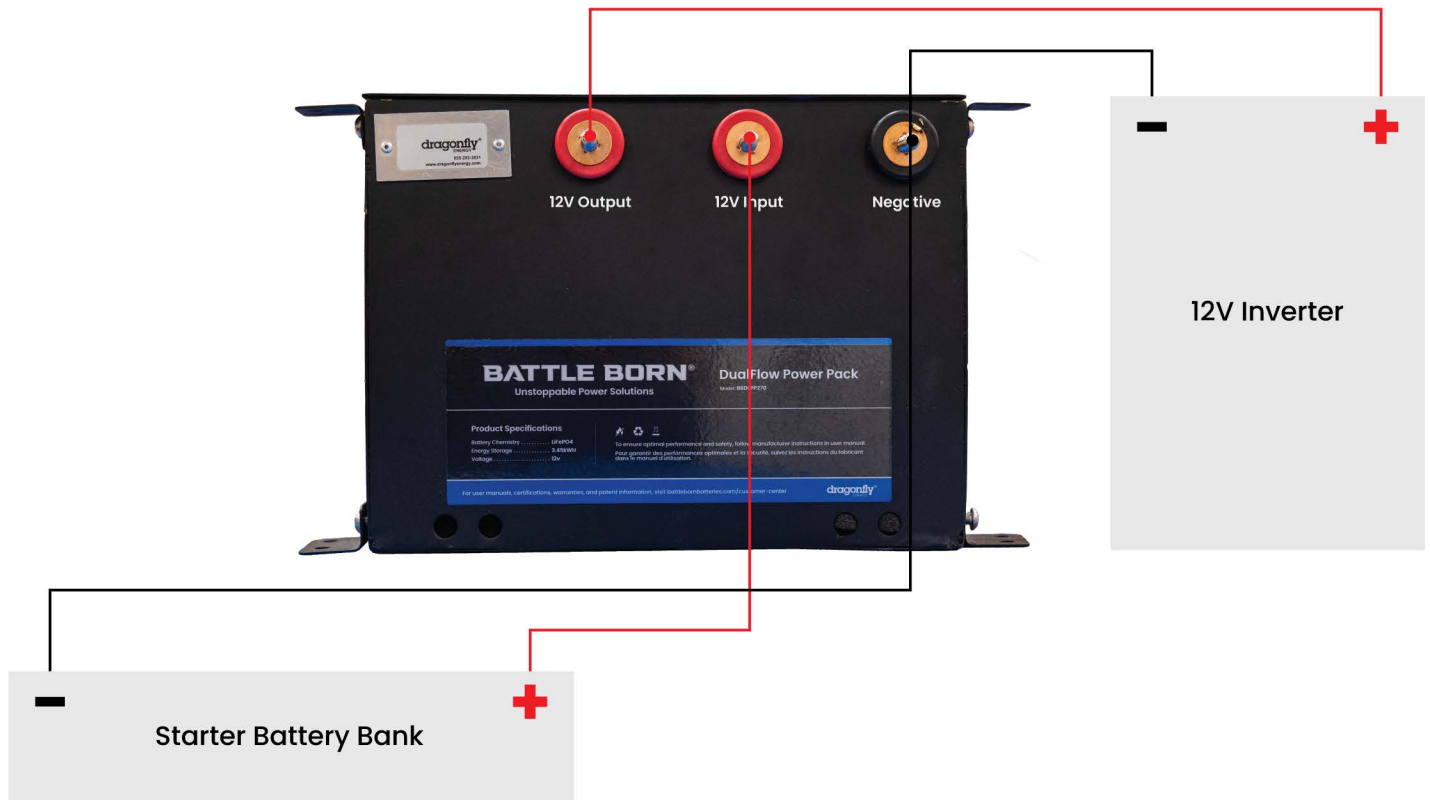
Graphic 3 Mounting Locations



Images 4 & 5 Installing Mounting Brackets

## Example Wiring

Connect cables to the power studs of the DualFlow Power Pack using a 17mm wrench. Tighten stainless steel jam nut to 212 in-lbs (24.0Nm). Depending on truck make and model, new cables may be needed to run through the floor of the bunk to complete connections shown below. Use best practices when torquing and connecting cables.



Graphic 4 Example Wiring Diagram

## Warranty Information

- 10 Year Warranty on Battery Pack
- 5 Year Warranty on Other DualFlow Power Pack System Components