Battle Born® DualFlow Power Pack

Compact $LiFePO_4$ Energy System for Sleeper Cab Hotel Loads with Alternator-Supported Chassis Battery Integration

12V Model: **BBDFPP270-12** 24V Model: **BBDFPP135-24**

The **Battle Born DualFlow Power Pack** is a durable, no-nonsense energy storage solution designed specifically for long-haul trucking. Built to seamlessly integrate with a truck's existing system, this compact lithium battery pack provides reliable power for the sleeper cab's hotel loads while protecting the starter batteries from unnecessary strain.

Whether you're running a fleet or driving your own rig, the DualFlow Power Pack is a practical, cost-effective upgrade that extends the life of your existing batteries and saves you money. The system recharges while your engine is running by utilizing alternator power and reduces strain on your starter batteries during rest periods, helping to avoid costly replacements and downtime.

12V & 24V Models Available



Key Features

Eliminates Idling

Provides enough power to run all 12V hotel loads through the mandatory 10-hour rest period every night, saving multiple gallons of fuel per day.

Extends Battery Life

Protects and supports starter batteries by reducing deep discharges and idle strain.

Cost-Effective, High Value

With a low entry cost, the system pays for itself in less than a year. This rapid ROI translates into significant savings.

High Power Output

250A continuous output from the $LiFePO_4$ battery ensures reliable performance for demanding loads.

Chassis Battery Support

Provides 50A of support to the chassis battery bank, thus preventing costly downtime.

Compact & Flexible Design

Small footprint for under-bunk installation, with four-side mounting options for easier integration.

Long Cycle Life

Delivers 3,000–5,000 deep discharge cycles for reliable, long-term use.

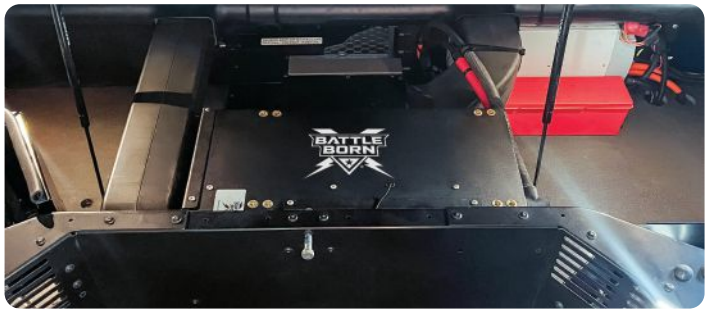
Internal Battery Management System (BMS)

Protects against over & under voltage, overcurrent, short circuit, and extreme temperatures.

Integrated Heated

Integrated heating technology ensures performance even in-low temperature environments.

INTEGRATED HEATING



Installed Battle Born® DualFlow Power Pack

10 Year Battery Warranty

5 Year Component Warranty

Assembled In
Reno, Nevada, U.S.A.

powered by dragonfly® ENERGY

Photos may vary slightly from actual product

Battle-Born.com

Battle Born® DualFlow Power Pack

Compact $LiFePO_4$ Energy System for Sleeper Cab Hotel Loads with Alternator-Supported Chassis Battery Integration

12V Model: **BBDFPP270-12** 24V Model: **BBDFPP135-24**

Electrical Specifications

BBDFPP270-12	**12**V **270**Ah
BBDFPP135-24	**24**V **135**Ah
Operating Temperature	-4°F to 135°F
Efficiency	95%
Self Discharge	2% to 3% per month
Cycle	3,000 to 5,000
Usable Depth of Discharge	100%

Charging Specifications

Voltage	Internal
Max Charging Current	50A
Max Chassis Support Charge	50A

Mechanical Specifications

Dimensions	24.5" x 13.7" x 15.6"
Weight	117 lbs.
Terminal Type	SAE 3/8" Stud
Terminal Torque	212 in-lbs
Enclosure Material	Powder Coated Steel
Battery Pack Case Material	ABS Fire Rated
Cell Type	Cylindrical
Cell Chemistry	$LiFePO_4$ Lithium Iron-Phosphate

Discharging Specifications

Discharging Fuse	300A
Low Voltage Disconnect	10.5V
BMS Discharge Voltage Cutoff	10V
Reconnect Voltage	10V
Short Circuit Protection	Yes

Recognized Specifications Internal Battery Pack Only

UN 38.3

United Nations Transportation Testing Procedure for shipments of lithium-ion batteries by air, land, or sea.

UL-62133-2

Standard for the safety of portable sealed secondary cells of lithium-ion battery packs.

IP65

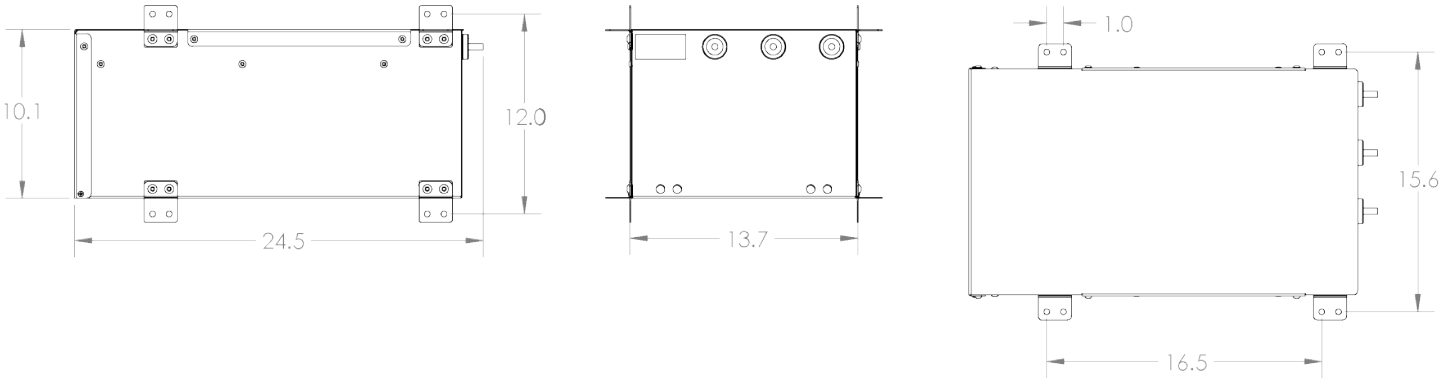
International standard that classifies the level of protection a device has against the ingress of dust and water.

Mounting Brackets

Easily install the DualFlow Power Pack with adjustable mounting brackets.



Mechanical Specifications



powered by dragonfly® ENERGY

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