



BATTERY LOWERING DEVICE

Universal Emergency Power Source for Elevator Lowering Operations



The Smartrise Battery Lowering Device (BLD) is a high-reliability emergency power solution designed primarily for hydraulic elevators. In the event of a mainline power loss, the BLD supplies clean, stable AC power that enables the elevator controller and hydraulic valve to carry out their programmed lowering sequence.

Compatible with any hydraulic elevator controller, including non-Smartrise systems, the BLD ensures elevators have the emergency power required to support safe and controlled lowering during outages.

In addition to hydraulic applications, the BLD can also be used on traction elevators to support manual rescue operations, providing the power necessary to operate manual recovery functions when building power is unavailable.

Whether installed in residential, commercial, or institutional environments, the BLD delivers dependable standby power that helps minimize entrapment events and enhances overall elevator safety.

Key Features

- **Universal Controller Compatibility**

Integrates seamlessly with any hydraulic elevator controller through simple, discrete interface signals.

- **Automatic Emergency Power Delivery**

When mainline power is lost, the BLD automatically switches to battery operation, energizing the controller and valve circuitry so the elevator can follow its preconfigured lowering logic.



Contact our Sales Department at sales@smartrise.us to order or for more information.

Phone: 469-678-8000

Address: 1235 N. Union Bower Rd
Irving, TX 75061

Website: SMARTRISE.US



- **Compact, User-Friendly Design**

A streamlined, all-in-one package with clearly labeled terminals, integrated LED indicators, and a removable power switch for secure maintenance. Installation requires minimal training.

- **Continuous Battery Charging**

Built-in charging circuitry keeps the batteries at optimal readiness when mainline power is present. The BLD's internal monitoring ensures reliable performance during emergencies.

- **Supports Traction Manual Rescue**

Provides the necessary power on traction elevators to perform manual recovery functions during a mainline power outage.



BLD V.2 6AH Model

Input Mainline	208, 240 or 480 VAC
Input Battery Rating	12 VDC 6 AH each
Output Rated Voltage	208, 240 or 480 VAC
Output Max Power	500 W
Dimensions	8.5" × 5.75" × 7.5"
Weight	19.5 lbs

BLD V.2 14 AH Model

Input Mainline	208, 240 or 480 VAC
Input Battery Rating	12 VDC 14 AH each
Output Rated Voltage	208, 240 or 480 VAC
Output Max Power	500 W
Dimensions	8.5" × 9" × 6.75"
Weight	27.7 lbs



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