



Unlimited Voltage Combinations, All Network Managed

This step-down converter economically provides another user-selectable voltage, in addition to the one from the power supply. When combined with a NetLink module, it expands the ability to monitor, control and manage pieces of the power system.

Specifications

Parameter	Rating
Input Voltage (from power supply)	9.4 to 30 VDC
Output Voltage (jumper select)	12VDC fixed or 3-18VDC (user adjustable)
Output Current	6 Amps
Efficiency	95%
Output Ripple (12V@6A)	< 100mVp-p
Line Regulation (12V@6A)	<0.1±%
Load Regulation (12V)	<0.5 ±%
Humidity	0 to 93% RHNC (90°F / 32°C maximum)
Operating Temperature	32°F to 120°F (0°C to 49°C)
Storage Temperature	-22°F to 158°F (-30°C to 70°C)

*Input voltage must be a minimum of 3V higher than output voltage

Product Overview

The B150 smart programmable step-down converter provides an additional voltage in a FlexPower system by converting a higher input voltage down to a lower output voltage. Primary power for the B150 is derived from a LifeSafety Power power supply which the B150 steps down to a user defined range (typically 12VDC*). An on-board LED display provides real-time values for voltage, current, and power.

The B150 is jumper selectable for either a fixed 12VDC or an adjustable range between 3-18VDC at 6 amps maximum current. Multiple B150s can be added to a system for virtually unlimited voltage combinations.

The B150 may be used with a NetLink network communication module via RS485 for fault, voltage, and current monitoring, power cycling the output, and programming FAI activation.

*See B150 user manual for complete capability

Features and Benefits

Enables Dual or Multi-voltage Power Systems

- ◆ Jumper selectable output voltage
 - 12VDC fixed
 - 3 to 18VDC user adjustable
- ◆ 6 Amps current at any selected voltage
- ◆ Multiple B150 modules can be used within a system for multi-voltage

Unique Applications

- ◆ Provides the unique voltage required to power modems, routers and other IT or similar devices (ie., 5V, 9V, 15V etc)
- ◆ Eliminates need for a 12V battery set in dual voltage access power systems
- ◆ Small size allows dual voltage in a smaller enclosure

On-board Protection

- ◆ Over load protection, short circuit protection, and over temperature protection

Fault Reporting (to host power supply)

- ◆ Abnormal operation, voltage loss, and over current

Visual Indicators

- ◆ DC in / DC out, FAI, and Fault
- ◆ LED display of output voltage, current, and power
- ◆ OutSmart input and output LEDs indicate voltage by color (<15V Green, >15V Blue)

Network Management Optional

- ◆ Monitoring and reporting power systems for Output condition, system integrity, and battery health
- ◆ Remote diagnostics and service features
 - Programmable upper and lower threshold limits
 - Individual output monitoring and reporting for current draw, voltage level, power draw, cycle count
 - Remotely power cycling individual outputs
- ◆ Email alerts
 - Fire alarm activation
 - Abnormal condition, outside of programmed threshold limits
- ◆ RS485 data connection with NLX

Lifetime Warranty

- ◆ High efficiency circuit of greater than 90% provides less heat generation leading to a longer service life and lower MTBF

Ordering

Model No.	Mechanical
B150	Size: 4" x 2.5" x 1" Weight: .25 lb.

Provided with cables and mounting hardware

B150 Status and Programming Screens

As viewed from a NetLink module when connected via RS485

POWERCOM SYSTEM MANAGER - Status Page

Client ID: LifeSafety Power
 Site ID: FPO75-B150D8M8NLXE2
 Date: Fri Jan 26 2024
 Time: 09:42:44

Device ID	B150-1	Model	B150	Notes:		Location:		Ver:	1.0
Input Indicator	●								
Output Indicator	●								
Input Voltage	25.133 V								
Output Voltage	12.409 V								
Input Current	0.067 A								
Output Current	0.027 A								
Input Power	1.683 W								
Output Power	0.335 W								
FAI State	Disabled								
Output Status	Normal								

Close Time: 0 Sec Close Output

POWERCOM SYSTEM MANAGER - Programming Page

Client ID: LifeSafety Power
 Site ID: FPO75-B150D8M8NLXE2
 Date: Fri Jan 26 2024
 Time: 09:44:02

Save Settings

Input Voltage Lower Limit	8.000 V	Input Voltage Upper Limit	30.500 V
Input Current Lower Limit	0.000 A	Input Current Upper Limit	6.600 A
Output Voltage Lower Limit	2.500 V	Output Voltage Upper Limit	19.200 V
Output Current Lower Limit	0.000 A	Output Current Upper Limit	6.600 A
Email Alert On Fault	No	Disable Output On FAI	No
Input Voltage Lower Limit of Cutoff	7.500 V	Input Voltage Upper Limit of Cutoff	31.000 V
Input Current Upper Limit of Cutoff	7.000 A	Output Current Upper Limit of Cutoff	7.000 A
Output Voltage Lower Limit of Cutoff	2.000 V	Output Voltage Upper Limit of Cutoff	19.500 V

Agency Listings

Product listed for use in LifeSafety Power equipment

USA

UL 294
 UL 2610
 FCC Part 15, Subpart B

CANADA

ULC S533
 ULC 60839-11-1



LifeSafetyPower.com

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LifeSafety Power

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