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Data Sheet

August 15, 2026

BEHLMAN

Behlman BL1350B-1 High Power AC Source

The Behlman BL1350B-1 is a high-power AC source in the Behlman AC family with P1351 and P1352. OEM BL1350B-1 listings describe a high-power laboratory/production AC source for avionics and instrument loads. High-power AC sourcing for avionics and production test in the Behlman BL1350 family. High power AC source Behlman BL1350 family Related P1351 and P1352 AC supplies Laboratory AC mains simulation Production test AC source Behlman AC family Family Line: Behlman AC sources with P1351 and P1352 High-power AC sourcing for avionics and production test in the Behlman BL1350 family. High power AC source Behlman BL1350 family Related P1351 and P1352 AC supplies Laboratory AC mains simulation Production test AC source Behlman AC family Family Line: Behlman AC sources with P1351 and P1352 Literature: Behlman BL1350B-1 high power AC source listings



MODEL

Behlman BL1350B-1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

BL1350B-1

LISTING

<https://aumictechlabs.com/products/bl1350b-1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Behlman BL1350B-1 is a 1350 VA AC power supply designed for a variety of testing and power applications. It has fully adjustable voltage and frequency, with a low output Total Harmonic Distortion (THD). The unit is built with solid design features for reliable operation, including excellent line and load regulation, and a unique overload protection system that provides voltage fold-back to maintain rated current without waveform distortion. Technical Specifications Output

Power: 1350 VA Output Voltage: 0-135 V 0-270 V Resolution: 1 V Accuracy: +/- 2% of full scale
Output Current: 10 Amps (0-135 V range) 5 Amps (0-270 V range) Resolution: 0.1 Amp Accuracy:
+/- 2% of full scale Output Frequency: 45-500 Hz Option E: 45-1000 Hz Resolution: 1 Hz
Accuracy: +/- 2 Hz Output Characteristics: Crest Factor: 3:1 Power Factor: 100% of rated output
into any power factor load Distortion (THD): 0.5% THD typical (measured at full load, 100 Volts, 50
Hz) Line Regulation: +/- 0.1% for +/- 10% line change Load Regulation: +/- 0.7% (no load to full
load) Efficiency: 80% typical (BL1350A-1 is 80%, other models greater than 70%) Input Power:
(Model specific, e.g., 115 VAC +/- 10% or 115/230VAC, 1 phase) Frequency: 47-440 Hz or 47-63
Hz Metering: Digital display for True RMS Volts, True RMS Amps, and Frequency Voltmeter
Resolution: 1 Volt Ammeter Resolution: 0.1 Amp Frequency Meter Resolution: 1 Hertz Protective
Circuits: Input: Fast-acting main circuit breaker Constant Current: Overload automatically causes
voltage fold-back to maintain maximum current without output waveform distortion Short Circuit:
Electronically latches output open to protect load Thermal: Internal temperature sensor prevents
over-temperature conditions Interfaces: Analog remote control (standard) Optional RS-232 and
IEEE-488 remote control interfaces Physical Characteristics * Chassis: High-strength 19-inch rack
mount chassis Dimensions: 3.5"H x 22"D (8.9 cm x 55.9 cm) Weight: * BL1350B-1 & PF models: 45
lbs (20.43 kgs) * C-2 & C4 models: 70 lbs (31.78 kgs) Operating Temperature: 0°C to 55°C (32°F
to 131°F) Storage Temperature: -10°C to +65°C Compatibility and Options * Stackable Design:
Units can be stacked for increased power or for 2- or 3-phase output. Requires proper cooling air
circulation and clearance. Motor Test Option: Capable of soft-starting motors, pumps, and
compressors, eliminating the need for high-power devices. Extended Frequency Range: Option E
provides 45-1000 Hz. CE Mark: Available on certain models (e.g., C-2 & PF). Mounting
Considerations * Rack mounted units require bottom support when mounting in a rack or cabinet.
Do not mount by front panels only. Ensure adequate clearance for cooling air circulation,
especially when units are stacked. Why Choose Aumictech for Behlman BL1350B-1? At
Aumictech, we specialize in supplying AC power test equipment. Whether you need reliable power
for industrial product testing, precision avionic testing, or demanding ATE applications, our team
ensures that the Behlman BL1350B-1 delivers maximum performance and accuracy for your
critical operations.

BL1350B Characteristics / Specifications

PARAMETER	VALUE
Model	BL1350B-1
Instrument Type	High power AC source
Family Line	Behlman AC sources with P1351 and P1352
Manufacturer	Behlman
Literature	Behlman BL1350B-1 high power AC source listings
Family	Behlman AC power sources
Brand Lineage	Behlman
Form Factor	high power AC source
System Role	high power laboratory AC source
Use Case	avionics and production AC power
Documentation Type	OEM BL1350B-1 listing
Year Class	Behlman BL1350B
Application Class	AC power
Vendor Path	Behlman
Related Model P13	Behlman P1351 AC power supply
Power Class	high power AC source
Documentation Class	OEM BL1350B-1 catalog
Control Class	AC source
Companion Role	Behlman AC family
Operating Mode	AC output
Instrument Class	AC source
Output Class	AC
Mains Class	high power laboratory AC
Test Class	production and lab AC power
Enclosure Class	Behlman AC source chassis

BL1350B Specifications

PARAMETER	VALUE
Applications	High-power AC sourcing for avionics and production test in the Behlman BL1350 family.
High power AC source	Behlman BL1350 family
Technical Specifications	Model: BL1350B-1

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	BL1350B-1
Instrument Type	High power AC source
Family Line	Behlman AC sources with P1351 and P1352
Manufacturer	Behlman
Literature	Behlman BL1350B-1 high power AC source listings
Family	Behlman AC power sources
Brand Lineage	Behlman
Form Factor	high power AC source
System Role	high power laboratory AC source
Use Case	avionics and production AC power
Documentation Type	OEM BL1350B-1 listing
Year Class	Behlman BL1350B
Application Class	AC power
Vendor Path	Behlman
Related Model P1351	Behlman P1351 AC power supply
Related Model P1352	Behlman P1352 AC power supply
Power Class	high power AC source
Documentation Class	OEM BL1350B-1 catalog
Control Class	AC source
Companion Role	Behlman AC family
Operating Mode	AC output
Instrument Class	AC source
Output Class	AC
Mains Class	high power laboratory AC
Test Class	production and lab AC power
Enclosure Class	Behlman AC source chassis

Notes

From Behlman BL1350B-1 listings (high-power AC source in the family with P1351/P1352). VA, voltage, and frequency ratings are on the BL1350B-1 specification page.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.