

BL1350pf-CE-3999

FEATURES

- Power Factor Corrected Input
- Unique overload protection
- Remote programming

1350 VA OF AC POWER IN A 3.5" HIGH CHASSIS

In the BL1350 Series you'll find the quality features you expect from Behlman. Fully adjustable voltage and frequency, low output THD, high efficiency, plus excellent line and load regulation. There's also a unique overload protection system that folds back voltage to maintain rated current without output waveform distortion. Units are supplied with analog remote control and available with optional RS-232 and IEEE-488 remote control interfaces.

INPUT

95 – 270 VAC, 47-63 Hz
Power Factor Corrected

OUTPUT

Power: 1150 VA
Units can be stacked for increased power, or 2- or 3-phase output

Voltage: 115 V
Resolution: 1 V
Accuracy: +/-2 % of full scale

Frequency: 400 Hz
Resolution: 1 Hz
Accuracy: +/-2 Hz

Current: 10 Amps continuous, 14 Amps for 1 min.
Resolution: 0.1 Amp, +/-1 digit
Accuracy: +/-2 % of full scale

Crest Factor: 3 : 1

Power Factor: 100% of rated output into any power factor load

Distortion: < 3% 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

PROTECTIVE CIRCUITS

Input: Fast-acting main circuit breaker

Constant Current: Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform

Short Circuit: Short-circuit overload electronically latches output open to protect load... power restored by recycling circuit breaker

Thermal: Internal temperature sensor prevents heat damage



Other options include :
CE mark, motor test option, which has the capability to soft-start motors, pumps and compressors, thereby eliminating the need for high-power devices.

Small size, quiet operation and high efficiency make the BL1350 Series ideal for industrial product testing, precision avionic test, power conversion, ATE, bulk power and motor generator replacement.

CONTROLS / INDICATORS

Power On/Off: Circuit breaker

Meter: DMM: True RMS Volts, True RMS Amps, Frequency

Meter select switch: Volts, Amps, Frequency

Indicators: Constant Current, Overtemp, Overload Latch

Phase adjust: Potentiometer (pot)

Remote Control: 0-5 VDC programming for voltage Read back ... contact closure for Output On/Off

External Sync: Synchronizes AC output with external input

MECHANICAL & ENVIRONMENTAL

Dimensions: High-strength 19" (48.3 cm) rack mount chassis, 3.5"H X 22"D (8.9 cm X 55.9 cm)

Weight: 45 lbs (20.43 kgs),

Operating Temperature: 32° to 131° F (0° to 55° C)

Input Connections: Barrier strip on rear with safety cover

Output Connections: Barrier strip on rear with safety cover

External Sync: Barrier strip on rear with safety covers

Remote control: DB-9 connector

CE for LVD label: Add Label for "CE for LVD"

OPTIONS: -3999 Includes the following

- A:** New front panel (No pots, binding posts or output switch)
 - B:** Set output voltage to 115VAC
 - C:** Set output frequency to 400Hz
 - D:** Set current limit to 14 amps to start some high inrush devices.
- Normal run current NOT to exceed 10 Amps**

- E:** Add covers to rear barrier strips
- F:** Add PWB with 0-5VDC for amplitude read back
- G:** Add label "CE MARK for LVD"



Rear View

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