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

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 Synch:
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 Synch: 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

External remote programming

AC input

AC output

External synch