

BL5100C-9-RR100 Rail Road Signal Source SPECIFICATIONS

INPUT

Voltage C-9: 230 VAC +/- 10%, Single Phase
C-10: 480 VAC +/- 10%, Single Phase
Frequency: 57 - 253 Hz

OUTPUT

Voltage: 120 VAC, Single Phase,
Isolated and Floating.
Frequency: 100 Hz, +/- 0.25 Hz
Power: 5 KVA
Current: 42 Amps
Current Crest Factor: 3:1
Power Factor: 100% of rated output into
any power factor load
Distortion: 2.0% Typical THD, full resistive load.
Load Regulation: $\pm 1.0\%$ No Load to Full Load
Line Regulation: $\pm 0.5\%$ for $\pm 10\%$ Line Change
Efficiency: 85% typical



CONTROL CIRCUIT

External Sync: Synchronize AC output with 120 VAC external input.

PROTECTIVE CIRCUITS / INDICATORS

Input: Main circuit breaker and surge arrestors.

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

Overload Protection: Short Circuit overload electronically disables output to protect load. Automatic reset upon overload removal.

Thermal Protection: Internal temperature sensor prevents heat damage.

Output: Surge arrestors & transformer isolated.

Meters: Digital Meters for Volts, Amps & Frequency
Accuracy, +/- 2% Full Scale / +/- 1 digit.

Continued on second page.....

MECHANICAL SPECIFICATIONS

Dimensions:	High strength rack cabinet with casters 30"H x 31.6"D x 22.1"W.
Weight:	400lbs
Operating Temperature:	0 to 50° C.
Cooling:	Internal fans.
Input connections:	Screw type terminals.
Output connections:	Screw type terminals.
Sync connections:	Screw type terminals

OPTIONS:

- A: Alarms**, Contact closure & Indicator
1. Inv OK - Loss of Inverter output.
 2. Sync - Loss of sync input
 3. Lock - Out of phase condition between Inverter output and Sync Input
 4. Over Temp - Over Temperature

AAR: AAR Terminals, input and output

ID: Input Turn on Delay

RC: Ruggedized and **Conformally** coat PC boards

World Headquarters

80 Cabot Court Hauppauge, NY 11788
(631)435-0410 (800)874-6727 Fax(631)951-4341

BEHLMAN

e-mail: sales@behlman.com
Web-site: www.behlman.com

West Coast Office

2363 Teller Road Suite 108 Newbury Park, CA 91320
(805)375-7046 (800)456-2006 Fax(805)498-2147
BL5K_rr100_02 Apr 05

