

# BEHLMAN

## BL5000C-10-100RR/21-00 Rail Road Signal Source SPECIFICATIONS

### INPUT

Voltage: 480 VAC +/- 10%, Single Phase .  
Frequency: 57 - 63 Hz

### OUTPUT

Voltage: 480 VAC, Single Phase, **Isolated and Floating.**  
Frequency: 100 Hz, +/- .25 Hz  
Power: 5 KVA  
Current: 10.5Amps  
Current Crest Factor: 3:1  
Power Factor: 100% of rated output into any power factor load  
Distortion: 2.0% Typical THD  
Load Regulation:  $\pm 0.7\%$  No Load to Full Load  
Line Regulation:  $\pm 0.1\%$  for  $\pm 10\%$  Line Change  
Efficiency: 85% typical



### CONTROL CIRCUIT

External Sync: Synchronize AC output with external input.

### PROTECTIVE CIRCUITS/INDICATORS

Input: Main circuit breaker with surge arrester and lightning protection.  
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 arrester.  
Meters: Digital Meters for Volts, Amps & Frequency

### MECHANICAL SPECIFICATIONS

Dimensions: High strength 19" rack cabinet with casters and rear door;  
30"H x 31.6"D x 22.1"W.  
Weight: 400 lbs.  
Operating Temperature: 0 to 55° C.  
Cooling: Internal fans.  
Input connections: AAR terminals on rear.  
Output Connections: AAR terminals on rear.  
**OPTIONS:** 940-022-000 Restart Delay Chassis

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BL5KRR.02 July 15, 03 /bl5k-rr100.pdf