

## BL5100C-8-RR100 Rail Road Signal Source SPECIFICATIONS

### INPUT

Voltage: 120/230 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: 37 Amps  
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 and adjustable under and over voltage.  
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  
Meters: Digital Meters for Volts, Amps & Frequency

### MECHANICAL SPECIFICATIONS

Dimensions: High strength rack cabinet with casters 28.3"H x 31.6"D x 22.1"W.  
Operating Temperature: 0 to 55° C.  
Cooling: Internal fans.  
Input connections: Screw type terminals.  
Output Connections: Screw type terminals.



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