

## BL1200C-8-RR100 Rail Road Signal Source SPECIFICATIONS

### INPUT

Voltage: 115 VAC +/- 10%, Single Phase.  
Other voltages available, consult factory

Frequency: 57 - 253 Hz

### OUTPUT

**Isolated and Floating.**

Voltage: 120 VAC, Single Phase, Other voltages available, consult factory, adjustable  $\pm 10\%$ , locking knob

Frequency: 100 Hz, +/- 0.25 Hz, Other Frequencies available, consult factory.

Power: 1200 VA

Current: 10 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: 80% typical



### CONTROL CIRCUIT

External Sync: Synchronize AC output with external input, 120Vac in

### 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.**

Meters: Digital Meters for Volts, Amps & Frequency  
Accuracy,  $\pm 1$  Digit.

### ALARMS

Contact closure & Indicator

1. Inv OK – Output Under & Over voltage .
2. Sync - Loss of sync input
3. Lock - Out of phase condition between Inverter output and Sync Input
4. Over Temp - Over Temperature

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## MECHANICAL SPECIFICATIONS

Dimensions: 19" rack mount chassis: 5.25"H max x 22"D.  
Air Filtering: Front panel removable washable filter.  
Operating Temperature: 0 to 55° C.  
Humidity: 0 – 95 % Non condensing.  
Cooling: Internal fans.  
Input connections: Screw type terminals.  
Output connections: Screw type terminals.  
Sync connections: Screw type terminals

## OPTIONS:

**ID: Input Turn on Delay**

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

**S: Slides, heavy duty, full set for each chassis**

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