The **RR1200 Railroad Signal Source** delivers 1200 VA of clean, regulated AC power in a 3.5” high bench top unit that easily converts to rack mount, for far less than competitive models.

The **RR1200** will supply a clean, low distortion 120 VAC sine wave at any fixed frequency from 50 Hz to 250 Hz. Standard units are available at 50 Hz, 60 Hz, 83 Hz, 91.66 Hz, 100 Hz, 200 Hz and 250 Hz.

The **RR1200 Railroad Signal Source** has all the features our customers have come to expect from Behlman; clean sine wave output with excellent line and load regulation, high efficiency and low harmonic distortion in a compact, rugged enclosure. In addition there is a unique overload protection system that folds back voltage to maintain rated output current without waveform distortion. **In the event of a short circuit the unit will automatically reset upon overload removal.**

In addition the **RR1200** has a mechanical guard for the On/Off circuit breaker and AAR terminals on the rear for input and output connections.

The **RR1200 Railroad Signal Source** is ideal for use in bungalows as well as relay shops.

**INPUT**
- Voltage: 120 VAC, +/- 10%
- Frequency: 47-253 Hz

**OUTPUT**
- Power: 1200 VA
- Voltage: 120 VAC, isolated and floating
- Frequency: (F)
  - -50 Hz, -60 Hz, -83 Hz, -91.66 Hz,
  - -100 Hz, -200 Hz, -250 Hz +/- 1%
- Current: 10 Amps
- Crest Factor: 3:1
- Power Factor: 100% of rate output into any power factor load
- Distortion: Less than 2.0% THD typical
- Line Regulation: +/- 0.5% for +/- 10% line change
- Load Regulation: +/- 1.0%, no load to full load
- Efficiency: 80% typical

**PROTECTIVE CIRCUITS**
- Input: Circuit breaker with surge arrester and lightning protection
- Constant Current: Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform

**MODEL SELECTION:** RR1200-100
- Input Voltage: 120 VAC, +/- 10%
- Input Frequency: 47-253 Hz
- Output Power: 1200 VA
- Output Voltage: 120 VAC, isolated and floating
- Output Frequency: (F)
  - -50 Hz, -60 Hz, -83 Hz, -91.66 Hz,
  - -100 Hz, -200 Hz, -250 Hz +/- 1%
- Output Current: 10 Amps
- Output Crest Factor: 3:1
- Output Power Factor: 100% of rate output into any power factor load
- Output Distortion: Less than 2.0% THD typical
- Output Line Regulation: +/- 0.5% for +/- 10% line change
- Output Load Regulation: +/- 1.0%, no load to full load
- Output Efficiency: 80% typical

**PROTECTIVE CIRCUITS**
- Input: Circuit breaker with surge arrester and lightning protection
- Constant Current: Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform

**MECHANICAL & ENVIRONMENTAL**
- Dimensions: High-strength bench top chassis with removable rubber feet,
  - 3.5”H x 17”W x 17”D
  - (8.9 cm x 43.2 cm x 43.2 cm)
- Weight: 39 lbs (17.6kgs),
- Operating Temp: -13° to 131° F (-25° to 55° C)
- Input Connections: Rear mounted AAR terminals
- Output Connections: Rear mounted AAR terminals

**FRONT PANEL CONTROLS /INDICATORS**
- Power On/Off: Circuit breaker with guard
- Indicators: Power On and Fault

**_SHORT CIRCUIT:_** Short circuit overload electronically opens output to protect load.

**Thermal:**
- Internal temperature sensor prevents heat damage

**Output:** Surge arrester and lightning protection

**Proudly made in the U.S.A.**