The BL1200 Railroad Signal Source delivers 1200 VA of clean, regulated AC power in a 5.25” high rack mount chassis for far less than competitive models.

The BL1200 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 BL1200 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 BL1200 has a mechanical guard for the On/Off circuit breaker and AAR terminals on the rear for input and output connections.

The BL1200 Railroad Signal Source is ideal for use in bungalows as well as relay shops.

**INPUT**
- Voltage: 120 VAC, +/- 10%
- Frequency: 57-253 Hz

**OUTPUT**
- Power: 1200 VA
- Voltage: 120 VAC, isolated and floating
- Adjustable +/- 10%, lock nut
- 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: +/- 0.7% for +/- 10% line change
- Load Regulation: +/- 1.0%, no load to full load
- Efficiency: 80% typical

**CONTROL CIRCUIT**
- External Sync: Synchronize AC output with external input, 120 VAC in
- PROTECTIVE CIRCUITS
  - Input: Circuit breaker with surge arrestor and lightning protection
  - Constant Current: Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform
  - Line Regulation: +/- 0.7% for +/- 10% line change
  - Load Regulation: +/- 1.0%, no load to full load
  - Efficiency: 80% typical

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

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