

## AC POWER SOURCES and FREQUENCY CONVERTERS

### WORLD WIDE POWER ON YOUR BENCH OR IN YOUR RACK



BEHLMAN's POWER PASSPORT ( P series) offers the lowest cost option to convert from and to any single phase avionics, shipboard or world wide power. The Power Passport includes all the features you have come to expect from Behlman; clean sinewave output with excellent line and load regulation, high efficiency and low harmonic distortion.

**Power:** 1350 VA  
**Input:** Single Phase  
**Output:** Dual Range: 0 – 135 & 0 – 270 VAC  
**Frequency:** 50, 60 & 400 HZ or 45 – 500 Hz  
**Options:** Analog Remote Control, IEEE-488, RS232, Extended Frequency, Additional output voltages, CE Mark.

NEW: P1352- All the features of the P1351 PLUS-Measurement Capabilities

### LOW COST AC IN A COMPACT PACKAGE



BEHLMAN's BL SERIES AC power sources offer high power at low cost in a small package. Features include: fully adjustable voltage and frequency, true RMS display of voltage, current and frequency, remote control via 0-10VDC, unique overload protection and line drop compensation. Three phase input units offer multipulse input transformers for low input current harmonics and high PF.



**Power:** 1350 VA to 20,000 VA  
**Input:** Single & three phase  
**Output:** Single & three phase  
**Frequency:** 45 – 500 Hz  
**Options:** IEEE-488, RS232, Extended Frequency, Additional output voltages, CE mark.

### HIGH POWER FREQUENCY CONVERTERS



BEHLMAN's BL-PLUS SERIES high power frequency converters provide economical, high quality power up to 120 KVA for a wide range of requirements in commercial, industrial, military, avionics and marine applications. The BL-Plus series offers solidstate 45-500 Hz power in fixed, variable and remote controlled models. They require little maintenance and are far more efficient than rotary systems. The BL-Plus features a small footprint, with casters for easy transport.

**Power:** 30KVA to 120 KVA  
**Input, Output, Frequency and Options:** Same as BL Series above.

### INSTRUMENT QUALITY LINEAR AC POWER SOURCE



BEHLMAN's ACM and ACP SERIES AC power sources provide high quality power to enhance your capabilities for testing. Available with manual control or computer control.



**Power:** 250 VA to 9,000 VA  
**Input:** Single & 3 phase  
**Output:** Dual range: 0-135 & 0-270 VAC, Single or 3 phase  
**Frequency:** 45 – 2500 Hz standard, 45 – 10,000 Hz optional  
**Options:** Higher power, additional output voltages, IEC test units, CE mark.

## RUGGED, INSTRUMENT QUALITY INVERTERS

### AC POWER FROM YOUR DC SOURCE



BEHLMAN's Inverters deliver a low cost, clean, reliable AC waveform from your batteries or DC source. Units are available in shelf or rack mount configurations. Output is available as a Sinewave, Modified Sinewave or Squarewave.



Power: 300 – 5000 VA  
 Input: 12, 24, 48, 125, 250 VDC  
 Output: 120 VAC, 230 VAC model dependent  
 Frequency: Any fixed frequency from 25 to 500 Hz  
 Options: Alarms, Indicators, AC Bypass, Additional Output Frequencies

## UNINTERRUPTIBLE POWER SOURCES

### TRUE ON-LINE WITH ZERO SWITCH OVER



BEHLMAN delivers industry leading value in a true on-line, uninterruptible power supply, featuring a pure sinewave output, brownout protection with true voltage regulation and extensive computer and network support software.

Power: 650 VA to 300 KVA  
 Input: Single or three phase  
 Frequency: 47 - 63 Hz  
 Output: Single or three phase  
 Frequency: 50 or 60 Hz  
 Waveform: True Sine wave  
 Inrush Current: Up to 500% for 0.3 seconds  
 Up to 1000% for 0.15 seconds  
 Transfer Time: Zero. True On-Line Design  
 Transients/ Lightning Protection:  
 400 Joules, 6500 Amps  
 Battery Run time: Per customer specification



**“CUSTOM ” AC POWER**

BEHLMAN is known internationally for power products used in a wide range of applications. Behlman provides our customers with a broad product line, individualized engineering support and unmatched service. Products include, AC Power Sources, Frequency Converters, Inverters, DC-DC Converters, High Voltage Power Supplies, Current Sources and UPS's used in production, test, laboratories, oil and gas exploration, transportation, aerospace and defense. Behlman can solve your most demanding power applications with quality products, personal service and prompt delivery.

**RAILROAD APPLICATIONS**



Ruggedised AC Signal Sources, Frequency Converters, Inverters, UPS and DC-DC Converters for use Track Side or On-board.

**UTILITIES / TELECOM APPLICATION**



BEHLMAN's inverters offer you a choice of sine wave, modified sine wave or square wave output in a ruggedized enclosure. The inverters are ideal for powering sensitive electronics and are available in an on-line version or stand-by version.

**GAS & OIL EXPLORATION**



Rugged, reliable AC Power Supplies and Uninterruptible Power Sources for powering down hole tools. Manufactured to meet the demands of life on an oil rig or drill site and customized to meet your requirements.

**CUSTOM AC SYSTEMS**



- Series or parallel capability.
- Special Packaging.
- Special paint.
- Special connectors .
- Fixed or variable outputs.
- Master/ Slave configuration.
- Custom enclosures.
- Modified for high shock and vibration.
- Custom output voltages, single or three phase.

**CURRENT SOURCES**



Variable current in a variety of power ratings either single or three phase output. Applications include testing of electrical devices such as circuit breakers, contactors, relays or any products requiring regulated current.

**AUTOMATIC TEST EQUIPMENT**



Customised AC Power Supplies with remote control capability for volts, frequency and current. Rack mount configuration at low cost and high reliability. LabView© drivers available

## **CUSTOM & COTS AC, DC and HIGH VOLTAGE POWER SUPPLIES**

BEHLMAN has over 40 years experience in the design and manufacture of critical electronic equipment in our "World Class" facility. Behlman is a key supplier of precision power supplies for military, industrial and commercial applications. Innovative engineering allows Behlman to tailor its wide range of designs to specific customer requirements. Behlman can produce new designs, build-to-print, reverse engineer and modernise old or obsolete power supplies. Behlman, in conjunction with its commercial division, can save you money by using COTS.

### **MISSILE/TORPEDO POWER SUPPLY**



### **AEROSPACE, SHIPBOARD, GROUNDBASE, TRANSPORTATION POWER SUPPLY**



### **RECEIVER/TRANSMITTER POWER SUPPLY**



### **MULTI OUTPUT, HIGH SHOCK, N+1 POWER SUPPLY**



### **DC TO DC CONVERTER for TRANSPORTATION**



### **HIGH VOLTAGE POWER SUPPLY**



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