

### FEATURES

- Low output THD
- Variable voltage and frequency
- Unique overload protection
- Bench top or rack mount
- Remote programming



### MANUAL CONTROL OR PROGRAMMABLE AC POWER FOR YOUR BENCH OR TEST RACK

The P1351 delivers 1350 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.

In the P1351 you'll find the quality features you expect from Behlman; fully adjustable voltage and frequency, low-output THD, high efficiency, plus excellent line and load regulation. There's also a unique overload protection system that folds back voltage to maintain rated current without output waveform distortion.

The unit can be controlled from the front panel or remotely using the optional 0-10 VDC, IEEE-488, RS232 interface. Other options include extended frequency range, 45 Hz to 1000 Hz and rack mount kit.

Small size, low cost, quiet operation and high efficiency make the P1351 ideal for industrial product testing, precision avionic test, power conversion and Automatic Test Equipment testing

#### INPUT

**Voltage:** 120 VAC, +/- 10%  
**Frequency:** 47-440 Hz

#### OUTPUT

**Power:** 1350 VA  
**Voltage:** 0-135 V or 0-270 V , isolated  
**Frequency:** 45-500 Hz (Option E: 45-1000 Hz)  
**Current:** 10 Amps, 0-135 V Range,  
5 Amps, 0-270 V Range  
**Crest Factor:** 3:1  
**Power Factor:** 100% of rated output into any power factor load  
**Distortion:** 1.0% THD typical, measured at full load, 115 Volts, 60 Hz  
**Line Regulation:** +/- 0.1% for +/- 10% line change  
**Load Regulation:** +/- 0.7%, no load to full load  
**Efficiency:** 80% typical

#### PROTECTIVE CIRCUITS

**Input:** Fuse  
**Constant Current:** Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform  
**Short Circuit:** Short circuit overload electronically latches output open to protect load... power restored by recycling input power  
**Thermal:** Internal temperature sensor prevents heat damage

#### CONTROLS / INDICATORS

**Power On/Off:** Rocker type switch  
**Display:** Two DMM's, one for volts and one for frequency (Hz) and amps  
**Output On/Off:** Push button switch  
**Range:** Push button switch (High/Low)  
**Indicators:** Output on, high range, frequency or amps, constant current and fault

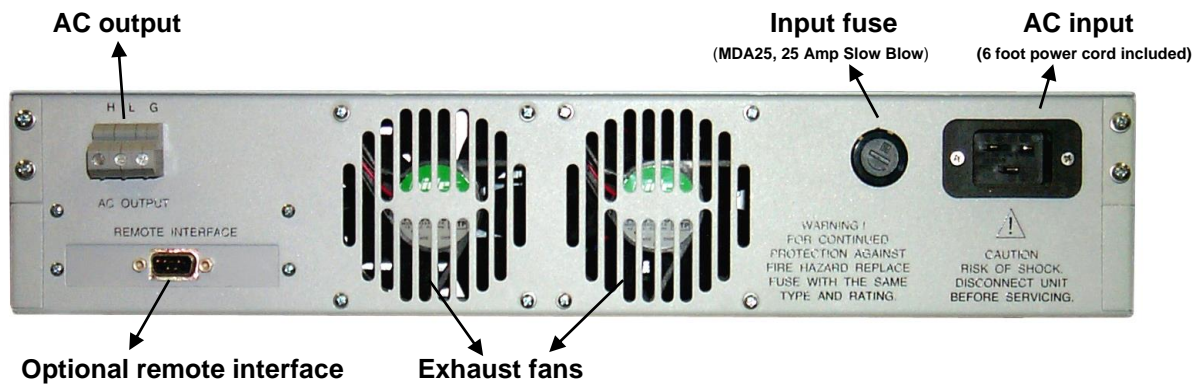
#### MECHANICAL & ENVIRONMENTAL

**Dimensions:** High-strength bench top chassis with removable rubber feet, 3.5"H x 17"W x 17.5"D (8.9 cm x 43.2 cm x 44.5 cm)  
**Weight:** 39 lbs (17.6kgs),  
**Operating Temperature:** 32° to 131° F (0° to 55° C)  
**Input Connections:** IEC320 C-20 receptacle with six foot line cord with NEMA 5-15 plug  
**Output Connections:** Three safety sockets on front panel and enclosed terminal block on rear

# AC Power Source/ Frequency Converter

**OPTIONS:** *Contact factory for additional options.*

- A:** Analog remote control...0-10 VDC for volts and frequency...contact closure for range and output
- E:** Extended frequency range, 45-1000 Hz
- I:** **IEEE-488 Interface**
- IR:** RS 232 interface
- RM:** Rack Mount kit



[www.behlman.com](http://www.behlman.com)

**ORBIT** POWER GROUP  
**Behlman Electronics**

Headquarters:  
80 Cabot Court, Hauppauge, NY 11788  
631 435-0410 800 874-6727  
Fax: 631 951-4341

[sales@behlman.com](mailto:sales@behlman.com)

