

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, RS232 or IEEE-488 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

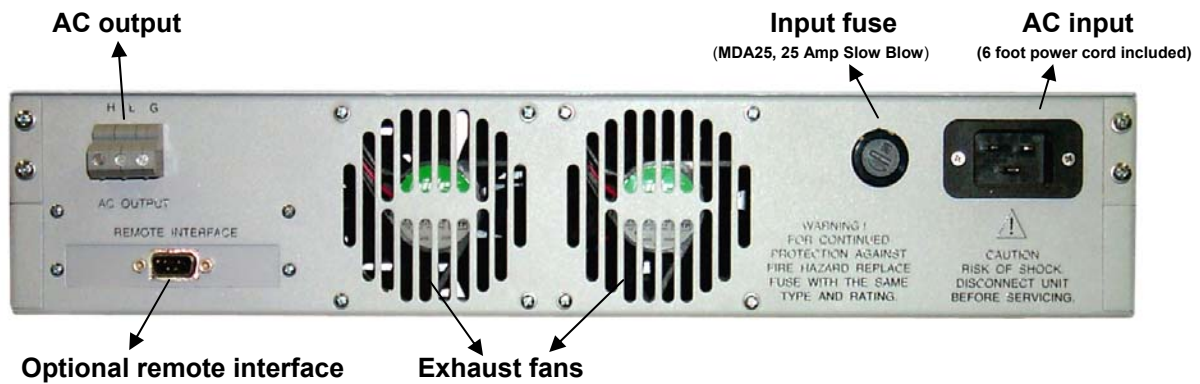
MECHANICAL & ENVIRONMENTAL

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

ORBIT POWER GROUP
Behlman Electronics

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

2363 Teller Road, Suite 108
Newbury Park, CA 91320
805 375-7046 800 456-2006
Fax: 805 498-2147

sales@behlman.com