

#### STANDARD FEATURES

- PFC Input
- 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 PF1351 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 PF1351 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 PF1351 ideal for industrial product testing, precision avionic test, power conversion and Automatic Test Equipment testing

#### INPUT

**Voltage:** 95-270 VAC, @ 16Amps Max.  
(Full power from 115VAC to 270 VAC)

**Frequency:** 47-63 Hz.  
47-440Hz

#### OUTPUT

**Power:** 1200 VA  
(1350 VA @ 120VAC in @ 25° C)

**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

**AC Regulation:** 0.7% @ F.S., No Load to Full load,  
resistive

**AC Regulation  
response time:** 250 – 300 msec. typical

**Crest Factor:** 3:1

**Power Factor:** 100% of rated output into any  
power factor load

**Distortion:** 1.5% THD typical, measured at full  
load, 120 Volts, 60 Hz

**Line Regulation:** +/- 0.1% for +/- 10% line change

**Load Regulation:** +/- 0.7%, no load to full load

**Efficiency:** 75% typical

#### MECHANICAL & ENVIRONMENTAL

**Dimensions:** High-strength bench top chassis with removable rubber feet,

#### 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 cycling  
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 the  
other Freq/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

#### METERING

**Voltage:** +/- 0.5% of reading + 1% of range  
1 V resolution

**Current:** +/- 1% of reading +1% of range,  
0.1 A resolution

**Frequency:** +/- 1% of reading + (+/-1Hz)  
1Hz resolution

**Weight:** 3.5"H x 17"W x 22"D (8.9 cm x 43.2 cm x 55.9 cm)  
49 lbs (22.2 kgs),  
**Operating Temperature:** 32° to 122° F (0° to 50° C)  
**Storage Temperature:** 14° to 140° F (-10° to +60° C)  
**Input Connections:** IEC320 C-20 receptacle with two meter cable unterminated  
**Output Connections:** Three safety sockets on front panel and enclosed terminal block on rear

**Safety:** IEC-61010-1, class1 general safety requirements and IEC-60950-1 where applicable

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

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

