

STANDARD FEATURES

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



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 (Non CE Mark)

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

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

MECHANICAL & ENVIRONMENTAL

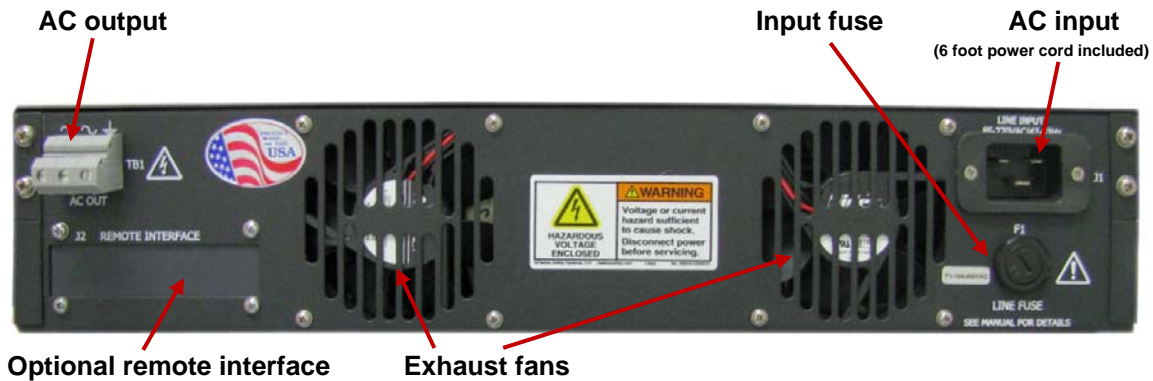
- Dimensions:** High-strength bench top chassis with removable rubber feet, 3.5"H x 17"W x 22"D (8.9 cm x 43.2 cm x 55.9 cm)
- Weight:** 49 lbs (22.2 kgs),
- Operating Temperature:** 32° to 122° F (0° to 50° C)
- Storage Temperature:** 14° to 140° F (-10° to +60° C)
- Input Connections:** IEC320 C-20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

CERTIFICATION

- CE MARK:** 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
- RM:** Rack Mount kit



Proudly made

in the U.S.A.



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