



Model: BPN-150 Series

Total Power	150 Watts
Input Voltages	90-132/180-264 VAC
Outputs	Single

SPECIAL FEATURES

- Auto-select Input
- UL, CUL, and Demko approved
- CE compliant
- **Custom Modifications Available**

ENVIRONMENTAL SPECIFICATIONS

Humidity: Up to 95% non-condensing

Storage Temperature: -20° to +85°C

Temperature coefficient: ±0.01% / °C

Ambient Operating Temperature: 0 to +50°C continuous duty, full rating. Derate linearly to 50% of full rating at +71°C.

Cooling: Convection cooled

SAFETY APPROVALS

UL	60950
CUL	60950
Demko	60950



VOLTAGE/CURRENT RATING CHART

Model No.	Voltage	Amperage
BPN-150-13	5V	25A w/cover 30A without cover
BPN-150-14	12V	12.15A
BPN-150-14F	13.8V	11.00A
BPN-150-15	15V	10.00A
BPN-150-16	24V	6.25A
BPN-150-16F	27.6V	5.50A
BPN-150-17	28V	5.36A
BPN-150-18	36V	4.17A
BPN-150-19	48V	3.12A

ELECTRICAL SPECIFICATIONS

Input Specifications

- Input Range.....90-132/180-264 VAC
- Frequency.....47-63 Hz
- EMI filter..... EN55022 Class B, FCC Part 15
- Inrush Current..... <32A @ 230 VAC
- Input Current..... 2.2A - 0.72A
- Isolation.....4242 VDC (Input to Output)
- Efficiency..... 80%
- Switching Frequency.....60KHz.

Output Specifications

- DC Output.....Maximum continuous output power 150 Watts convection cooled.
- Line Regulation.....±0.5%
- Load Regulation.....±1%

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ELECTRICAL SPECIFICATIONS (CONT')

Output Specifications

Transient Response.....2% Maximum deviation;
returns to initial condition in 1 msec max.

Long Term Stability.....0.01% after 20 minute
warm-up.

Hold-Up Time.....20msec minimum

OVP.....Set at 115% to 135%

Ripple and Noise.....1% Pk to Pk

Short-circuit Protection.....The unit will withstand a
continuous short without damage. It will automatically
return to regulation upon removal of the short.

Overload Protection.....The overload protection
feature will reduce output voltage to a safe dissipation
level when the output power rating exceeds 125% of
maximum rated power. The unit will automatically return
to regulation upon removal of the overload.

OVERALL MECHANICAL DIMENSIONS

7.95"L x 4.41"W x 1.97"H (Enclosed with cover)
(202mm x 112mm x 50mm)

CONNECTOR

Barrier Strip

PIN ASSIGNMENTS

Consult Factory

NOTES

- Specifications subject to change without notice.
- All dimensions in inches/mm
- Warranty: 1 year
- Weight: 1.4 lbs.

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