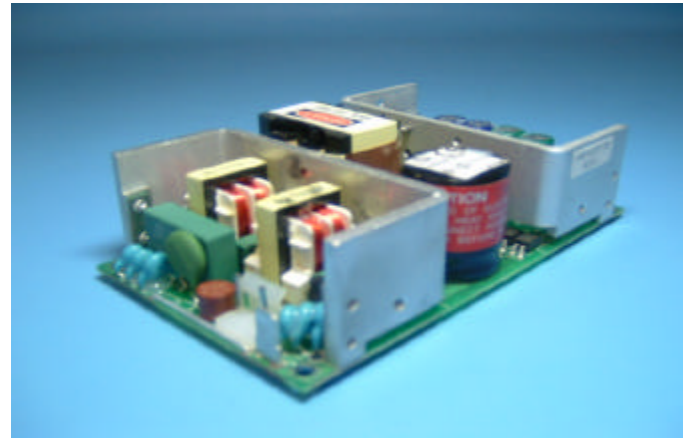


Model: BPN-100 Single Output Series

Total Power	100 Watts
Input Voltages	90-264 VAC
Outputs	Single



SPECIAL FEATURES

- Wide Range Input
- UL, CUL, CB scheme 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: 9-cfm fan cooling required

SAFETY APPROVALS

UL	60950
CUL	60950
DEMKO	EN60950

VOLTAGE/CURRENT RATING CHART

Model No.	Voltage	Amperage
BPN-100-12	3.3V	20A
BPN-100-13	5V	20A
BPN-100-14	12V	8.3A
BPN-100-15	15V	6.6A
BPN-100-16	24V	4.2A
BPN-100-17	28V	3.6A
BPN-100-18	36V	2.8A
BPN-100-19	48V	2.1A

ELECTRICAL SPECIFICATIONS

Input Specifications

Input Range.....90-264 VAC
 Frequency.....47-63 Hz
 EMI filter..... EN55022 Class B, FCC Part 15
 Inrush Current..... ≤32A @ 230 VAC
 Input Current..... 1.7 - 0.7A
 Isolation.....4242 VDC (Input to Output)
 Efficiency.....Typically 78% @ 120 VAC
 Switching Frequency.....65 KHz.

Output Specifications

DC Output.....Maximum continuous output power 100 Watts with 9-cfm fan cooling.

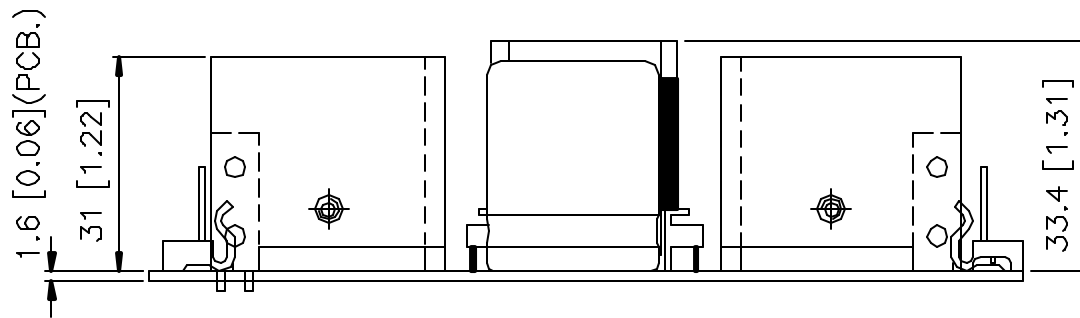
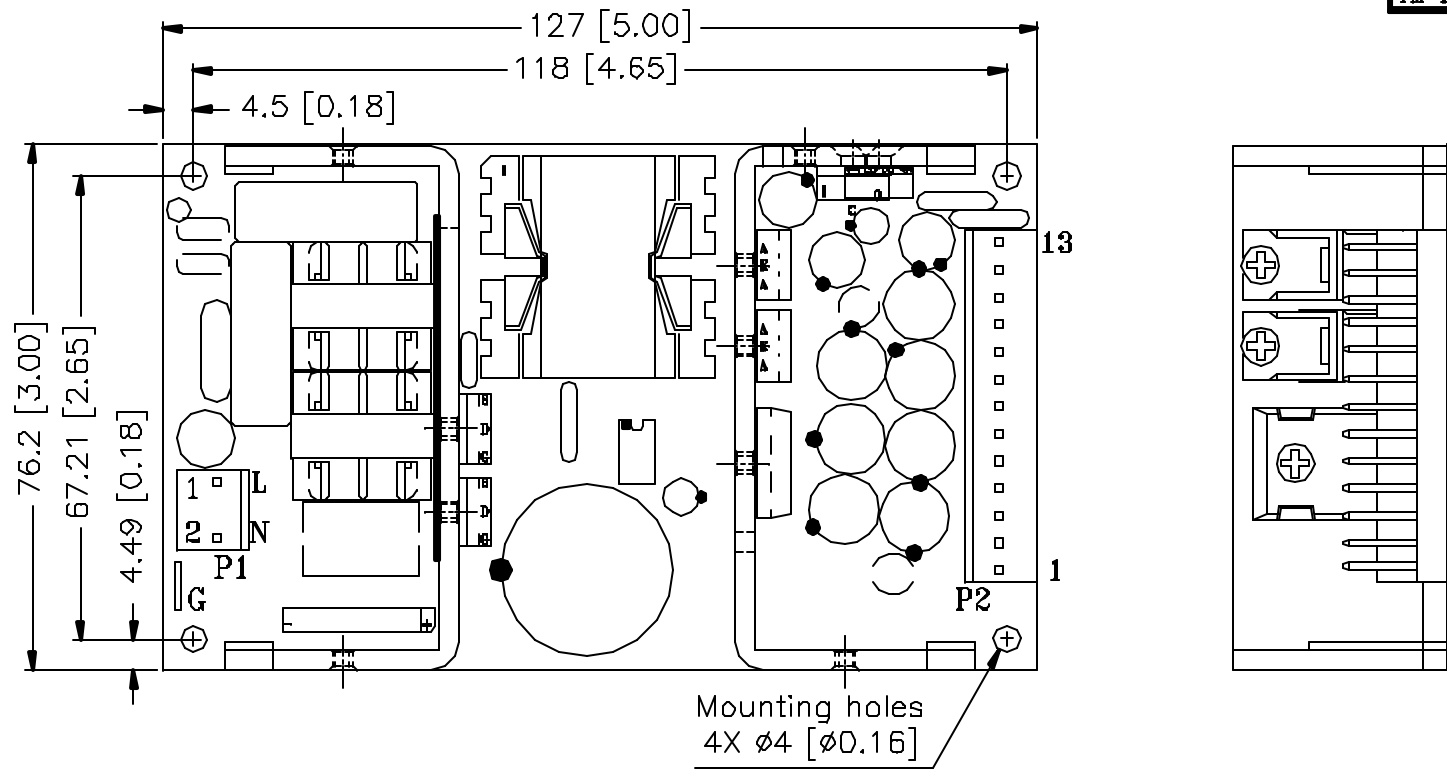
Line Regulation.....±0.5%

Load Regulation.....±1%

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

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

300-1 Route 17 South Suite B2
 Lodi, NJ 07644
 Phone: (973) 594-1800 Fax: (973) 594-1804
salesteam@blutekpower.com



<i>BluTek Power</i>			
TITLE	PCB. OUTLINE DRAWING		
DRAWN	E. L. LIN	DRG. NO.	BLU-042
CHECKED		MODEL NO.	BPN-100 Series

UNIT	mm[inches]	REV. NO.	Ø	SCALE	1 : 1	MAT'L	t=
THIRD	⊕	⊖		TOL.	± 0.2	DATE	09. 26. 2003