

Models: BPA-480-XXX

Total Power	480 Watts
Input Voltages	90-264 VAC
Outputs	Single + 5VSB

SPECIAL FEATURES

- 90+ Efficiency
- Active Power Factor Correction
- Wide Range Input
- Remote Sense
- Low profile height fits 1U constraints
- RoHS compliant
- Custom modifications available

ENVIRONMENTAL SPECIFICATIONS

Humidity: Up to 95% non-condensing

Storage Temperature: -40° to +85°C

Temperature coefficient: ±0.01% / °C

Ambient Operating Temperature: -20° to +50°C continuous duty, full rating. Derate linearly to 50% of full rating at +71°C.

Cooling: 20 CFM Air Flow required for 480W

SAFETY APPROVALS

- UL 60950-1 Second Edition
- CUL 60950-1 Second Edition
- CB EN60950-1 Second Edition and Amendments A1, A11 & A12
- DEMKO EN60950-1 Second Edition and Amendments A1, A11 & A12



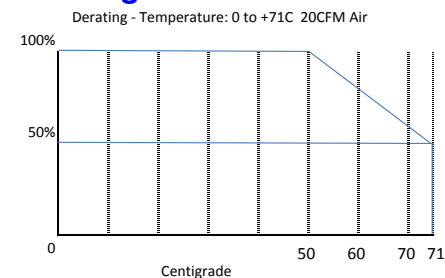
ELECTRICAL SPECIFICATIONS

Input Specifications

- Input Range.....90-264 VAC
- Frequency.....47-60 Hz
- EMI filter..... EN55022 Class B, FCC Part 15
- Inrush Current..... ≤32A @ 230 VAC
- Input Current..... 3.2A – 1.09A
- Isolation (Input to Output)..... 4242 VDC
- Isolation (VO1 to Gnd)..... 2200 VDC
- Efficiency.....>90%
- Active PFC.....0.99
- Switching Frequency.....Variable
- Leakage..... <500uA

Output Specifications

Derating Curve



- DC Output..... Maximum continuous output power 480 Watts with 20-CFM fan cooling. Maximum continuous output power 150 Watts with no air (convection cooled)

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
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Models: BPA-480-XXX

ELECTRICAL SPECIFICATIONS (CONT')

Output Specifications

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

Hold-Up Time.....16msec minimum

OVP.....Set at 115% to 135%.
Latching method. AC must be recycled to restart the unit.

Short-circuit Protection.....The units 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 the 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

U-Bracket Construction (not including connectors)
5"L x 3.3"W x 1.54"H
(127.0mm L X 83.8mm W X 39.1mm H)

PIN ASSIGNMENTS

See attached Hook-up Drawing

CONNECTOR

Input Molex 26-60-4050 or
LCU P3060-05-2

Output Molex 39-28-8160

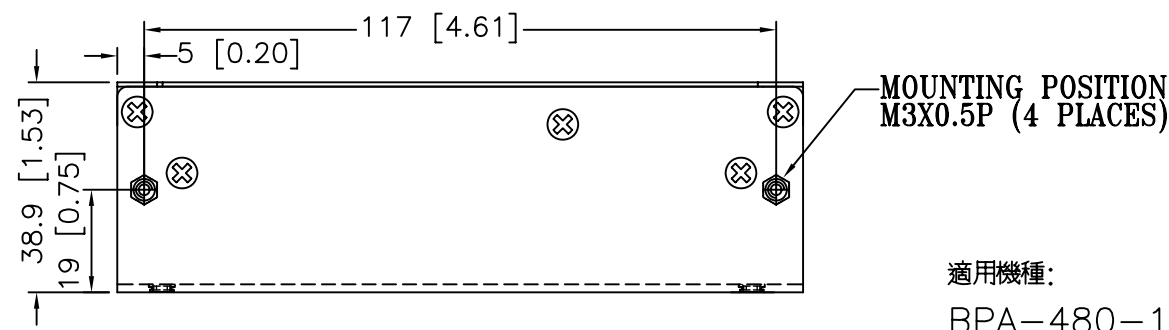
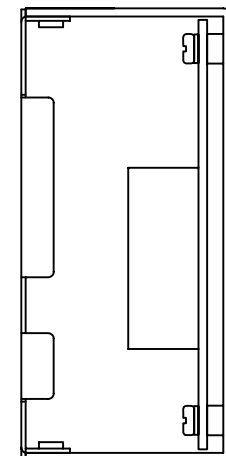
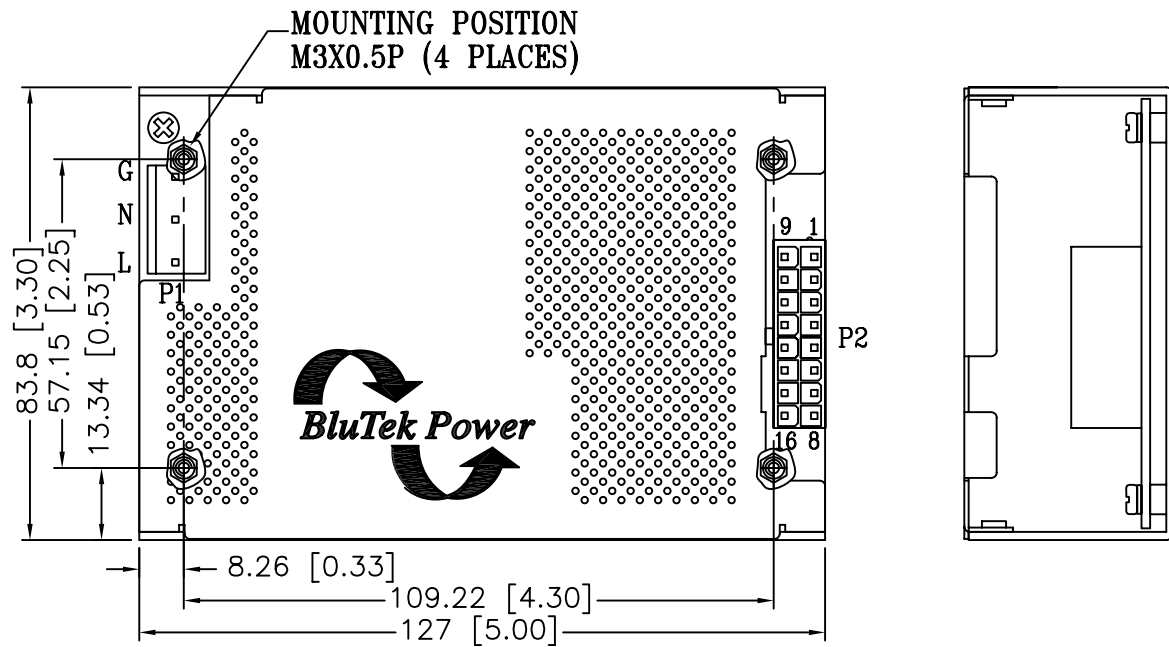
NOTES

- Specifications subject to change without notice.
- All dimensions in inches/mm
- Warranty: 2 years
- Weight: 1.25 lbs.(est.)

VOLTAGE/CURRENT RATING CHART

Part Number	Voltage	Minimum With Air Flow	Maximum With Air Flow	Minimum No Air Flow	Maximum No Air Flow
BPA-480-120	+12V	0A	40.0A	0A	12.5A
	5VSB	0A	2.0A	0A	2.0A
BPA-480-580	+58V	0A	8.27A	0A	2.5A
	5VSB	0A	2.0A	0A	2.0A

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適用機種:
BPA-480-120C LF

<i>BluTek Power</i>			
TITLE			
OUTLINE DRAWING			
DRAWN	C. M. WU	DRG. NO.	BLU-493
CHECKED		MODEL NO.	BPA-255-120C

UNIT	mm[inches]	REV. NO.	A	SCALE	0.7 : 1	MAT'L	t=
THIRD				TOL.	± 0.5	DATE	06. 21. 2012



IN/OUTPUT RATING & PIN ASSIGNMENT

SIZE : A4	FM-4000-34/REV.A-080502'
UNIT : mm[inches]	FILENAME: PPSC0597
REV. NO.: A	DATE : 06. 21. 2012
DRAWN: 吳琪梅 C. M. WU	CHECKED:

MODEL NO. : BPA-480-120C LF

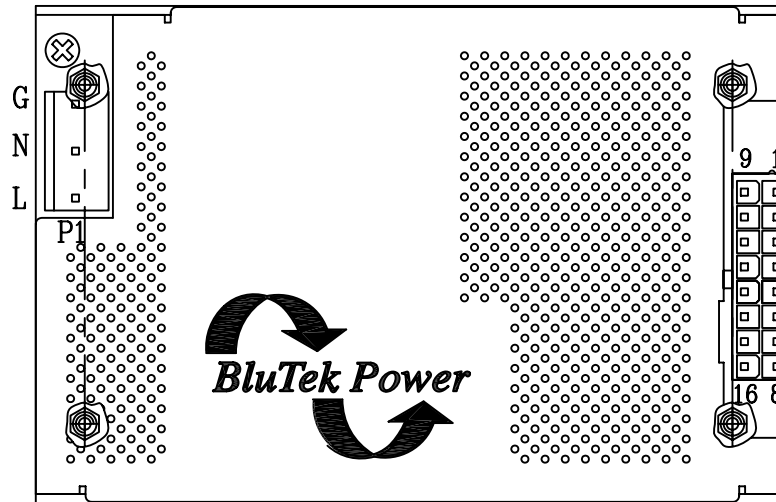
INPUTS :

ASSIGNMENT	A.C. VOLTAGE	CURRENT	PIN NBR
L :	100-240V~	6.5A	P1-L
N :			P1-N
GND :		50-60Hz	P1-G

OUTPUTS :

ASSIGNMENT	D.C. VOLTAGE	CURRENT	PIN NBR
VO1:	+12V ===	40A	P2-4,5,6,12,13,14
DC COM:			P2-1,2,3,9,10,11
12VS:			P2-7
+5VSB		2A	P2-8
INHIBIT:			P2-15
P.OK			P2-16

MAXIMUM OUTPUT POWER: 480W



P2: Molex 39-28-8160