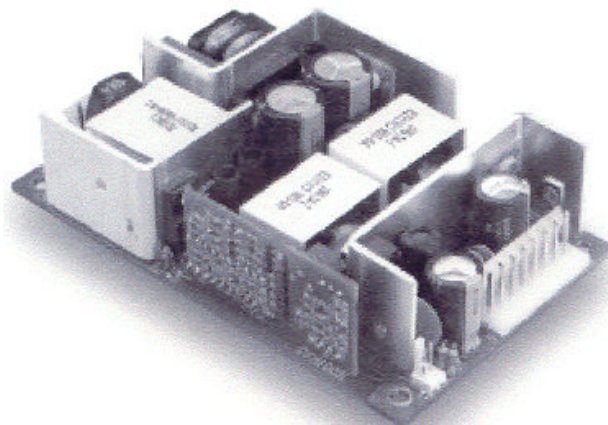


## BAO100 Series

## 100W Open Frame AC-DC Power Modules with PFC

- Universal Input 90-264 Vac
- PFC function
- PCB Mountable
- Efficiency to 85% Typical
- Industry Standard Pin Out
- 100 % full load burn-in test
- ISO-9001 certified manufacturer
- Short circuit / overload / over voltage protection
- Approvals: UL / TUV / CE



### Specifications

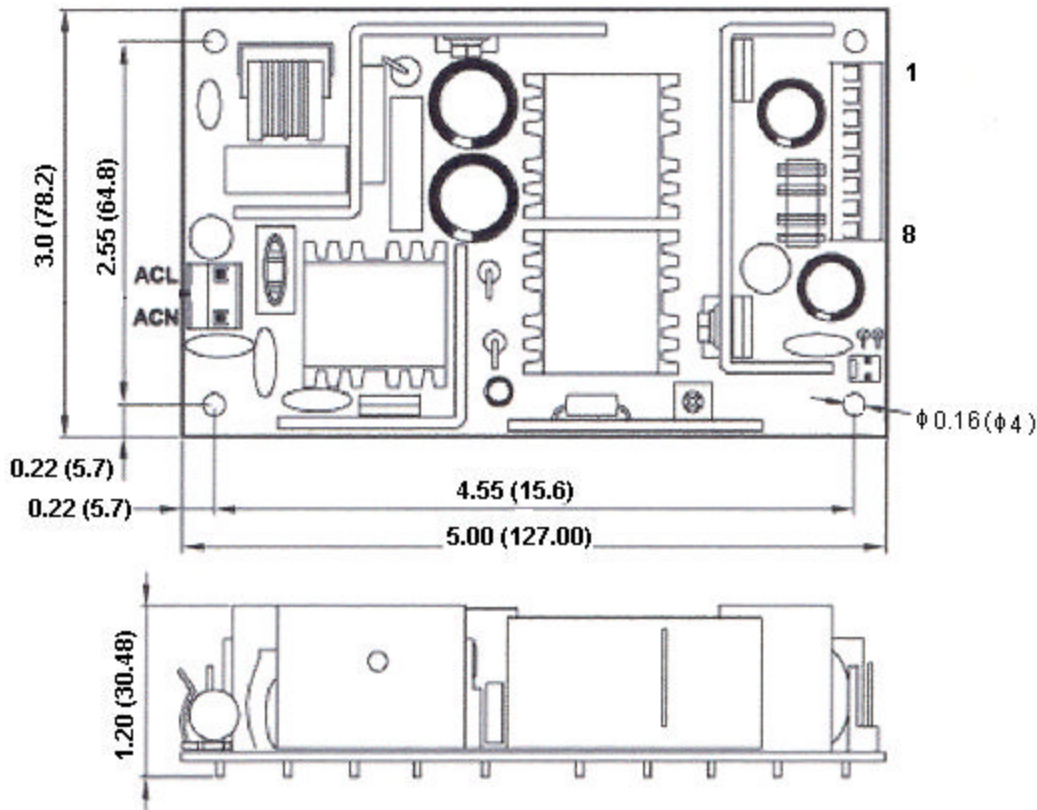
Input voltage range.....	90-264 Vac
Input frequency.....	47 – 63 Hz
Inrush current.....	Cold start, 25A / 155Vac, 50A / 230Vac
Output voltage.....	Refer to below table
Initial Accuracy .....	±1.0% max.
Temperature Coefficient .....	±0.05% / °C
Ripple & Noise, 20Mhz BW .....	50mVp-p, max @ 3.3/5Vo; 1%p-p,max @ other output voltage modules
Hold-up time <sup>1</sup> .....	8ms typ.
Short circuit protection.....	Continuous
Line regulation <sup>2</sup> .....	±0.05% max.
Load regulation <sup>3</sup> .....	±1.0% max.
Efficiency .....	Refer to below table
Isolation Voltage (Input/Output) .....	4242 Vac
Operating temp. range .....	0 °C – 40 °C
Storage temp. range .....	-20 °C – +85 °C
Cooling.....	Free air convection

Part No	Output	Tolerance	Ripple (max.)	Efficiency
BAO100- PAC-5	5V, 20A	+/- 1 %	50 mV	75%
BAO100- PAC-9	9V, 11.2A	+/- 1 %	90 mV	79%
BAO100- PAC-12	12V, 8.4A	+/- 1 %	120 mV	83%
BAO100- PAC-15	15V, 6.7A	+/- 1 %	150 mV	85%
BAO100- PAC-18	18V, 5.6A	+/- 1 %	180 mV	86%
BAO100- PAC-24	24V, 4.2A	+/- 1 %	240 mV	87%
BAO100- PAC-48	48V, 2.1A	+/- 1 %	480 mV	87%

Note:

1. Measured at  $V_{in} = 115 \text{ Vac}$ , Full load
2. Measured from high line to low line
3. Measured from full load to 10% load
4. BAO100 input connector mates with Molex 5277 or equivalent.
5. BAO100 output connector mates with Molex 5273 or equivalent.

**MECHANICAL DRAWING**



DC output pin 1,2,3,4:  $V_o (+)$   
 DC output pin 5,6,7,8:  $V_o (-)$