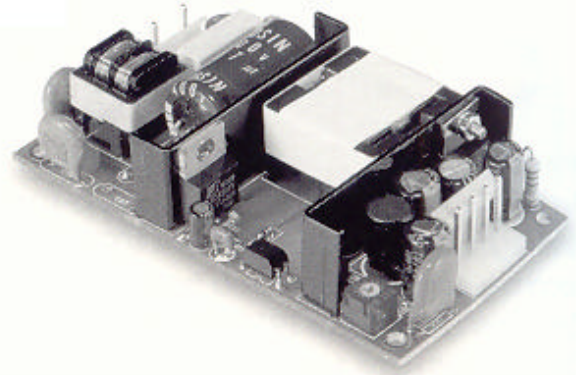


BAO20 Series

20W Open Frame AC-DC Power Modules

- Universal Input 85-264 Vac
- PCB Mountable
- Efficiency to 82%
- 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.....	85-264 Vac
Input frequency.....	47 – 63 Hz
Inrush current.....	Cold start, 20A / 155Vac, 40A / 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 @ others output voltage modules
Hold-up time ¹	16ms typ.
Short circuit protection.....	Continuous
Line regulation ²	±0.05% max.
Load regulation ³	±1.0% max.
Efficiency	Refer to below table
Working temp.....	0-50 °C @ 100 %, -10 °C @ 80%, 60 °C @ 60%
Isolation Voltage (Input/Output)	4242 Vac
Operating temp. range	0 °C – 45 °C
Storage temp. range	-40 °C – +100 °C
Cooling.....	Free air convection

Part No	Output	Tolerance	Ripple	Efficiency
BAO20-UAC-3.3	3.3V, 4.4A	+/- 1 %	50 mV	70%
BAO20-UAC-5	5V, 4.4A	+/- 1 %	50 mV	73%
BAO20-UAC-9	9V, 2.44A	+/- 1 %	90 mV	77%
BAO20-UAC-12	12V, 1.8A	+/- 1 %	120 mV	80%
BAO20-UAC-15	15V, 1.4A	+/- 1 %	150 mV	80%
BAO20-UAC-24	24V, 0.92A	+/- 1 %	240 mV	82%

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. BAO20 input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
5. BAO20 output connector mates with Molex housing 09-50-3041 and Molex 2878 series crimp terminal.

MECHANICAL DRAWING