

NIM Bin Power Supply Model 8000

Specification

- Input: 200-258 Vac, 47-63 Hz
- Maximum dc output power from 0 to 50° C : 160 W
- Regulation: $\langle \pm 0.1\%$ (typically $\pm 0.05\%$) for $\pm 12V$ and $\pm 24V$, and $\langle \pm 0.2\%$ (typically $\pm 0.1\%$) for $\pm 6V$
- Output impedance: $\langle 0.3\Omega$ at any frequency up to 100 KHZ for the dc output
- Temperature coefficient: $\langle 0.02\% / ^\circ C$, 0 to 60° C
- Noise and ripple: $\langle 3\text{mV}$ peak – to – peak for any output as observed on a 50 MHZ bandwidth oscilloscope
- Voltage Adjustment: $\pm 2\%$ minimum range

Maximum output current model 8000

DC Voltage	Maximum Current	DC Voltage	Maximum Current
+6V	12 A	-6 V	10 A
+12V	3 A	-12 V	3 A
+24V	1.5 A	-24 V	1.5 A

NIM Bin Power Supply Model 8010

Output voltage and current model 8010

+6V	1.5A	-6V	1.5A
+12V	1.5A	-12V	1.5A
+24V	0.5A	-24V	0.5A
117Vac	100mA		

DC Output Specification model 8010

Regulation at 0-100% load and 88-110% line voltage	$\pm 0.1\%$ ($6V \pm 0.2\%$)
Temperature coefficient between $0 - 50^{\circ}C$	$\pm 0.02\% / ^{\circ}C$
Noise and ripple (DC to 50MHZ)	max. 3mVss
Output impedance (up to 100kHz)	max. 0.3 Ohms
10-100% load variation recovery time between	$\pm 0.1\%$ within $100\mu s$ ($\pm 1\%$ at $\pm 6V$ output voltage)
Current limiting	at 120% of nominal current (foldback type)
Ambient temperature range	$0 - 50^{\circ}C$. Operation possible From $50 - 60^{\circ}C$