



## AC/DC 80W Open Frame Power Supply



### Features

- Compact size with ATX output
- Supports 60W convection cooling
- Input Voltage Range: 90 ~ 264V
- Output Voltage: 5V / 3.3V / 12V / -12V / 5VSB
- Safety Standard: UL, CB, TUV
- EMI Standards: FCC Class B / CISPR22 Class B

### Input

- 90 ~ 264V

### Efficiency

- 70% minimum at full load, 115Vac input

### Hold Up Time

- 20ms minimum at full load, 230Vac input

### Remote On/Off

- PSON compatible signal

### Power Good

- TTL signal compatible power good signal. Turn-on delay 100 ~ 500ms

### Cooling

- 80W with 8.6CFM air-cooling, 60W for convection cooling

### Output Protection

- Short circuit, overload & over voltage power protection

### MTBF

- 130K hours at 25°C, 70% full rated load (calculated by MIL217F).

### Environment

- Operating Temperature: 10°C to 50°C at full loading
- Operating Humidity: 5% ~ 95%RH, non-condensing

### EMI/RFI

- FCC part 15, Subpart B, Class B computing devices
- CISPR22 (EN55022) Class B

### Safety

- UL, UL 60950, 3rd edition
- CB, IEC 60950-1, TUV, EN 60950-1: 2001

### Dimension

- 81 (W) x 128 (D) x 40 (H) (mm)

### Output Table

Output Voltage	V1 +5V	V2 +3.3V	V3 +12V	V5 -12V	5VSB
Max Load	8A	6A	3A	0.5A	0.75A
Min Load	0.5A	0A	0A	0A	0A
Load Regulation	+/-2 %	+/-4 %	+/-4 %	+/-5 %	+/-4 %
Line Regulation	+/-1 %	+/-1 %	+/-1 %	+/-1 %	+/-1 %
Ripple	50 mV	50 mV	120 mV	120 mV	120 mV
Noise	50 mV	50 mV	120 mV	120 mV	120 mV

Note 1: The maximum total combined output power on the +3.3V and +5V rail is 40W.

Note 2: Measured by a 20MHz bandwidth limited oscilloscope and the each output is connected with a 10µF Electrolytic Capacitor and a 0.1µF Ceramic Capacitor.

Note3: The +5V output is set between 5.08V to 5.13V by variable resistor and all output at 60% rated load and the other outputs are checked to be within the accuracy range.

Note4: Total maximum load cannot exceed 80W with 8.6 CFM forced air-cooling and 60W convection cooling.

### Ordering Information

PGA-U080AX AC/DC 80W Open Frame ATX Power Supply