



**INTERCHANGEABLE AC PLUG  
20W SINGLE OUTPUT SWITCHING POWER SUPPLY**

**PA1020**



**FEATURES:**

- ACCOMMODATE UNIVERSAL AC INPUT
- LIGHT WEIGHT & COMPACT SIZE
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET FCC, CISPR 22 CLASS B
- CE MARKING COMPLIANCE
- CEC EFFICIENCY REGULATIONS (OPTIONAL)

**SPECIFICATION**

**INPUT SPECIFICATION**

**Input Voltage:** 90-264Vac typical.  
**Input Connector:** USA/Euro/UK/Aust.  
**Input Frequency:** 50-60Hz.  
**Inrush Current:** 40A max.  
**Input Current (rms):** 0.4A max.  
**EMI:** EN55022 Class B, CISPR 22 Class B  
**Hold-up Time:** >10mS at full load @230Vac typical

**OUTPUT SPECIFICATION**

**Output Voltage:** +3.3V - +24Vdc  
**Output Current:** 0.83A – 3.0A  
**Output Wattage:** 20 Watts max.  
**Output Connector & Cord:** Optional.  
**Line Regulation:** 2.0% max.  
**Load Regulation:**  $\pm 5.0\%$  typical.  
**Noise & Ripple:** 1% peak to peak typical.  
**OVP:** Build-in.  
**Overload Protection (OLP):** Fully protected against short circuit and over current. Consult the factory for OLP setting.

**GENERAL SPECIFICATION**

**Efficiency:** >70% typical  
**Circuit Topology:** Flyback circuit  
**Safety Standard:** TUV EN60950, CB, UL60950, CE, PSE, BSMI  
**Construction:** Impact resistant plastic case

**Operating Temperature:** 0 to +40°C.  
**Storage Temperature:** -10 to +70 °C.  
**Cooling:** Free air convection  
**Wall Mount Format.**

Note:

1. All measurements are at nominal input, full load, and +25 °C unless otherwise specified.
2. The exact obtainable load regulation depends upon the output cord selected and load current.
3. Due to requests in market and advances in technology, specifications subject to change without notification.



For the details of safety approval, please consult the factory.

## OUTPUT VOLTAGE / CURRENT RATINGS CHART

### SINGLE OUTPUT *(Model No. for example)*

MODEL NO.	VOLTAGE	CURRENT (MAX)
PA1020-033	+3.3V	3.00A
PA1020-050	+5.0V	3.00A
PA1020-060	+6.0V	2.50A
PA1020-075	+7.5V	2.00A
PA1020-090	+9.0V	2.20A
PA1020-120	+12.0V	1.66A
PA1020-150	+15.0V	1.33A
PA1020-180	+18.0V	1.11A
PA1020-240	+24.0V	0.83A

### MECHANICAL DIMENSIONS: 80x53x42MM

