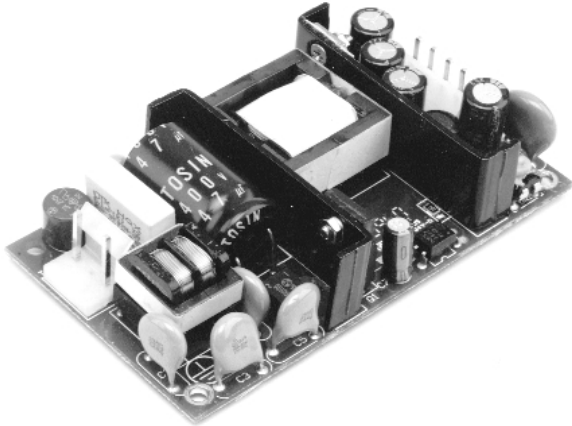


# AC/DC Open Frame

## 20 Watts CU20 Series

**XPiQ inc.**

Intelligent Design Quality Product



CE Marked - LVD

•  
Universal Input

•  
Efficiency to 82%

•  
Industry Standard Pin Out

•  
Low Cost

•  
Small Size

•  
International Safety Approvals

## Specification

### Input

- Input Voltage* • 85-264 VAC (110-370 VDC)
- Efficiency* • See Table
- Input Frequency* • 47-63 Hz
- Inrush Current* • 20 A at 115 VAC or 40 A at 230 VAC at +25 °C cold start
- Input Current* • 0.8 A (rms) for 115 VAC, 0.5 A (rms) for 230 VAC

### Output

- Output Voltage* • See Table
- Voltage Adjustment* • ±5%
- Hold Up Time* • 16 msec typical (full load)
- Line Regulation* • ±0.5% max at full load
- Load Regulation* • (10% to full load) ±1% max

### General

- Overvoltage Protection* • Typically 130% of max output automatic recovery
- MTBF* • 800,000 hrs MIL-HDBK-217F
- Weight* • 90 g approx

### Environmental

- Storage Temperature* • -40 °C to +85 °C
- Operating Temperature* • 0 °C to +70 °C, derate from full load at +45 °C to half load at +70 °C
- Isolation* • Input to output 3000 VAC  
Input to ground 2500 VAC  
Output to ground 1000 VAC

### EMC & Safety

- Safety* • UL1950, CSA C22.2 No.234 EN60950
- EMC* • FCC20780 level B, CISPR22 (EN55022) Class B

## OUTPUT VOLTAGE & CURRENT RATINGS

CU20

Output Power	Output Voltage	Output Current		Efficiency Number	Model
		Nominal	Peak		
20 W	3.3 V	4400 mA	6600 mA	70%	CU20-00
	5.0 V	4400 mA	6600 mA	73%	CU20-10
	12.0 V	1800 mA	2700 mA	80%	CU20-12
	15.0 V	1400 mA	2100 mA	80%	CU20-13
	24.0 V	920 mA	1400 mA	82%	CU20-14

### Notes

1. All dimensions shown in inches (mm).
2. Input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
3. Output connector mates with Molex housing 90-50-3041 and Molex 2878 series crimp terminal.

### Mechanical Details

