

AC/DC Desktop

XPiQ inc.

Intelligent Design Quality Product



55 Watts
PUP55 Series



- Built-in EMI Filter
-
- Dual and Triple Outputs
-
- 100% Burn-In
-
- International Safety Approvals
and CE Mark
-
- Input Surge Protection
-
- Wide Input Voltage 85 to 264 VAC

Specification

All specifications typical at nominal line, full load and 25°C

Input

- Input Voltage* • 85-264 VAC
- Input Frequency* • 47 to 440 Hz
- Input Current* • 1.5A (rms) for 115 VAC
0.9A (rms) for 230 VAC

Output

- Output Power Range* • 0 to 55 watts
- Output Voltage* • See Tables
- Output Current* • See Tables
- Ripple and Noise* • 1% peak to peak max.
- Overvoltage Protection* • Provided on output #1 only
set at 112-132% of its nominal
output voltage
- Overcurrent Protection:* • All outputs protected to short
circuit conditions
- Temperature Coefficient:* • All outputs $\pm 0.04\%/^{\circ}\text{C}$
maximum

General

- Efficiency* • 70% minimum at 55W output
- Hold-up time* • 10 msec minimum at 115 VAC
- Line Regulation* • $\pm 0.5\%$ maximum at full load
- Inrush Current* • 15A at 115 VAC or
30A at 230 VAC at 25°C cold start
- Withstand Voltage* • 3000 VAC from input to output
1500 VAC from input to ground
- Insulation Resistance* • 10 Mohm minimum from
output to ground

Environmental

- Operating Temperature* • 0°C to +70°C*
- Storage Temperature* • -40°C to +85°C
- MTBF* • 100,000 hours minimum at full load
at 25°C ambient
- EMI Requirements* • Meets conducted limits of
FCC 20780 level B, CISPR 22
(EN 55022) level B
- Safety Requirements* • Approved to:
a) UL 1950
b) CSA C22.2 No. 234
c) IEC 950

* Derate linearly from 100% load at 50°C to 100% load at 70°C



OUTPUT VOLTAGE & CURRENT RATINGS													PUP55
Model	Output #1				Output #2				Output #3				Maximum Output Power
	Vnom	Imin	Imax	Tol.	Vnom	Imin	Imax	Tol.	Vnom	Imin	Imax	Tol.	
PUP55-23	+5 V	1 A	5 A	5%	+12 V	0.5 A	3.0 A	5%					45 W
PUP55-24	+5 V	1 A	5 A	5%	+15 V	0.4 A	2.5 A	5%					45 W
PUP55-25	+5 V	1 A	5 A	5%	+24 V	0.3 A	2.0 A	5%					45 W
PUP55-31	+5 V	1 A	5 A	5%	+12 V	0.5 A	3.0 A	5%	-12 V	0.1 A	0.5 A	10%	45 W
PUP55-32	+5 V	1 A	5 A	5%	+15 V	0.4 A	2.5 A	5%	-15 V	0.1 A	0.5 A	10%	45 W

Notes

All units may be operated at no-load without damage. At no-load, output tolerance increases to 10%.

Pin Chart

Model	1	2	3	4	5
PUP55-23, PUP55-24, PUP55-25	COMMON	COMMON	OUTPUT#1	Common	OUTPUT#2
PUP55-31, PUP55-32	COMMON	COMMON	OUTPUT#1	OUTPUT#3	OUTPUT#2

Mechanical Details

