

Statronics Power Supplies

Rifala Pty Ltd ACN 002 612 473



ISO 9001

Unit 4, 38 Leighton Place

HORNSBY NSW 2077

AUSTRALIA.

E-Mail: sales@statronics.com.au

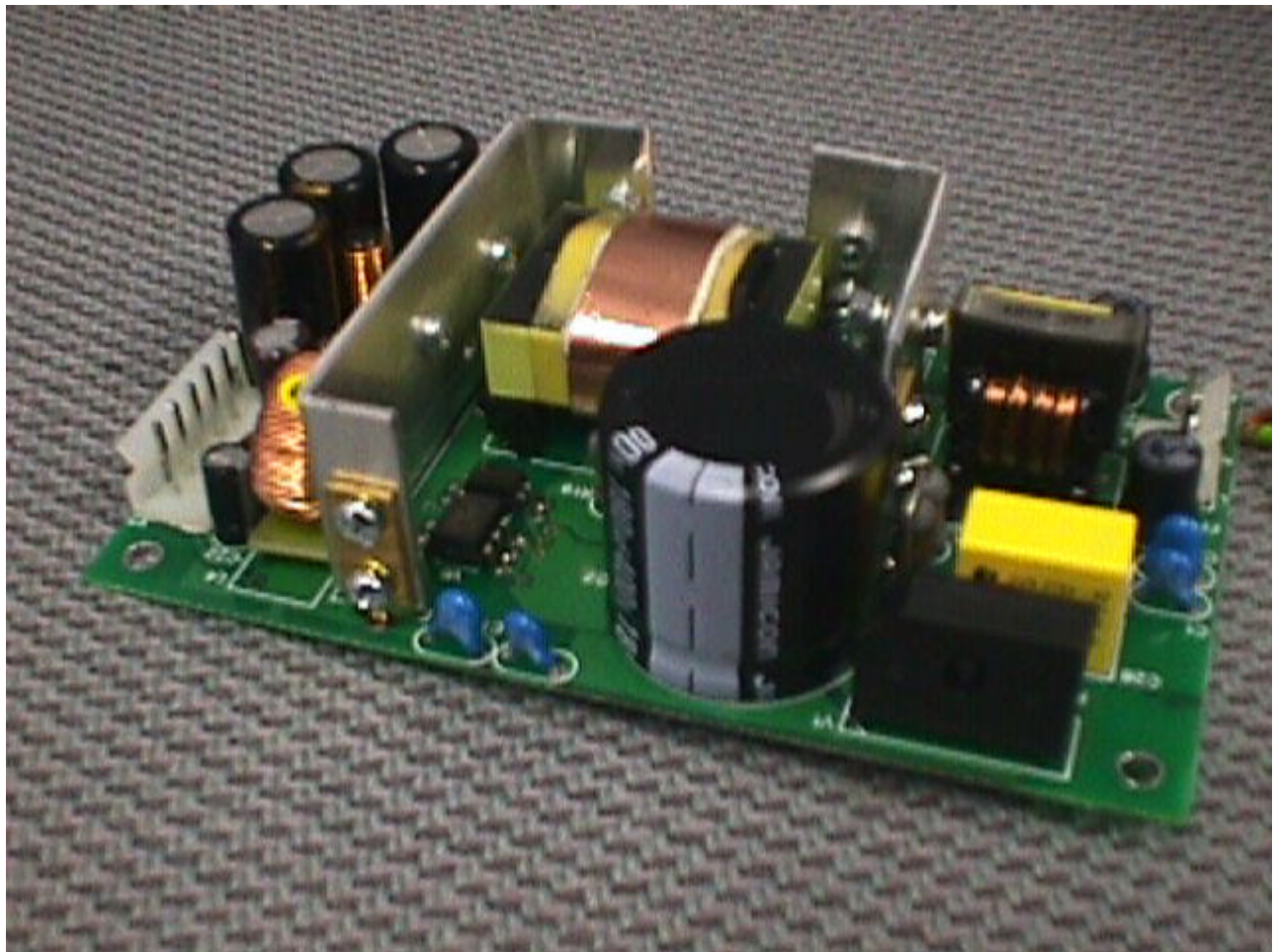
Phone: 61 2 9477 5011

Fax: 61 2 9476 6914

Mobile: 61 4 1941 4392

Web Site: <http://www.statronics.com.au>

X75D2405M, X75S24M UNIVERSAL INPUT, DUAL & SINGLE O/P, MEDICAL POWER SUPPLIES



FEATURES

- ◆ Medical Safety Standards
- ◆ CB CSA UL CE (pending)
- ◆ Class B EMC Compliance
- ◆ Economical
- ◆ No Minimum Loads
- ◆ Universal Input
- ◆ Patient Contact Approved
- ◆ Industry-standard footprint
- ◆ Excellent step response
- ◆ 86% efficiency
- ◆ Excellent cross-regulation
- ◆ 5-Year Warranty

SPECIFICATIONS

AC Input Range	110/240V 47-63Hz. Limits: 85 - 264 VRMS (270V Surge), 47 to 63 Hz	
DC Input Voltage Range	110 to 373V DC (380V DC surge)	
Total Output Power	75 Watts Maximum Continuous (Natural Convection Cooled), 80W surge	
Input Fuse	Two 1 A fast-blow fuses (for Live and Neutral lines) internal	
Input Current	< 1.5A (1A) RMS at 115V (230V) RMS input and full load	
Inrush Current	< 30A max. peak for 264Vac or 375Vdc, cold start at 25°C	
Efficiency	Typically 86% at full load	
Short Circuit Protection	Short circuit on any output causes no damage to the power supply.	
Over Load Protection	Over power at 115% to 140% rated power, shut-off with auto restart	
Short Circuit Protection	No damage from indefinite period short on any output	
Minimum Load	No minimum load is required on any output	
Switching frequency	100KHz. Fixed	
Operating Temperature ⁽²⁾	0°C to +60°C, (Natural convection) Derate linearly at 1W/°C to 70°C	
Shipping and Storage	-40°C to 85°C , Relative Humidity: 5% to 95%	
Complies to Safety Standards	IEC60601-1, AS 3200, VDE 0705, UL 1012, UL2601, UL544, CSA 22.2 No. 234-M90 & No. 601.1. (And AS3260, UL1950, EN60950.)	
Agencies:	CB, CE, CSA, UL Pending (at 1 June 2001)	
Complies to EMC Standards (conducted)	CISPR 11 Class B, EN55011 Class B, AS 2064 Class B, FCC part 15 (47 CFR 15) Class A, VDE 0878 PT3 Class B. EN60601-2	
Electromagnetic Susceptibility	IEC 801, -2, -3, -4, -5, -6, Level 3 (IEC1000-4 series)	
Leakage Current	< 75µA to safety ground and to secondary at 240V input	
Outputs:	#1 (Both Models)	#2 (Only on Model X75D2405M)
DC Output Voltage	24 V	5V
Maximum Continuous Load ⁽¹⁾	3.1A	1.5A
Maximum Surge Load	3.3A	1.5A
Output Ripple & Noise (F.L.) ⁽³⁾	100mV P - P	30 mV P - P
Total Band Regulation	< ± 0.1% for any combination of input voltage, loads and temperature within the specified ranges.	
Step Response, 5V Output	For 50% to 100% 100nS step, < ±0.1V overshoot, <150µS recovery time.	
Temperature Coefficient	Any change in output voltage due to warm-up drift and operation temperature, change does not exceed regulation limits.	
Dimensions (LxWxH)	127 x 76.2 x 40.2 mm (5 x 3 x 1.6"), 3.2 W/cu in.	
Mounting	Four holes 3.2mm (.125") diameter at centres.	
Vibration	3g 5 to 200 Hz, 1g 5 to 500Hz, three orthogonal axes, 1 oct/min, 5 min. dwell at four major resonances (operational).	
Shock	30g, any axis	
Terminations	Molex KK series locking headers for input and output, 0.156" pitch. (mating connectors supplied)	

NOTES to table above:

1. The maximum loads listed are the maximum continuous loads on each output. However, the total load should not exceed 75W with natural convection. Total surge power is limited to 80W.
2. No derating is required to 60°C
3. The ripple and noise voltage and regulation are measured at the output connectors. Ripple measurement should be made using a differential technique having a common mode rejection ratio (CMRR) greater than 10,000 to 1.