



TRI-MAG, Inc.

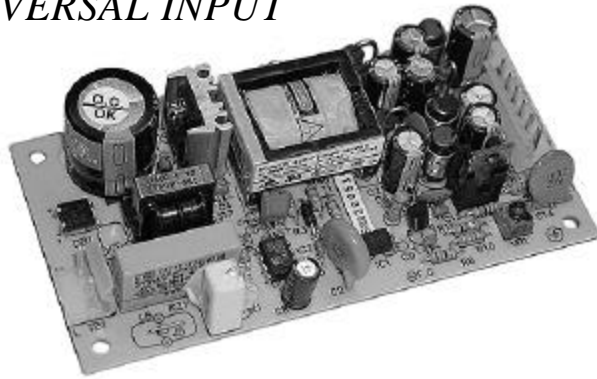
® *your* POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291
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<http://www.tri-mag.com>
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UV420 SERIES

20 Watt

UNIVERSAL INPUT



BAUART
GEPRÜFT
TYPE
APPROVED

GENERAL SPECIFICATIONS

Input Voltage.....	85VAC to 270VAC or 120VDC to 350VDC
Input Current.....	1 A AT 115VAC 0.6 A AT 230VAC
Input Frequency.....	47Hz to 63Hz
Inrush Current (cold).....	15A @ 115VAC 30A @ 230VAC
Operating Temperature.....	0 to 50°C
Storage Temperature.....	- 40°C to 85°C
Cooling.....	Free Air Convection
Efficiency.....	70% Typical
Holdup Time.....	16ms at 115VAC
Overvoltage Type.....	Crowbar Trip Point, 5.7V to 6.7V or Rated Output +2V
Overload Protection.....	Foldback at 150% load
Output # 1 Voltage Adjustable.....	±10%
Switching Frequency.....	35KHz
Safety:	
Designed in full compliance with.....	UL 1950 CSA 22.2 #234 VDE EN60950
EMI.....	Meet FCC Class "B"

DESCRIPTION

Tri-Mag, Inc. UV420 Series, these 20 watt switchers feature small size, low cost, high efficiency with universal input ranging from 85 VAC to 270 VAC without jumpers.

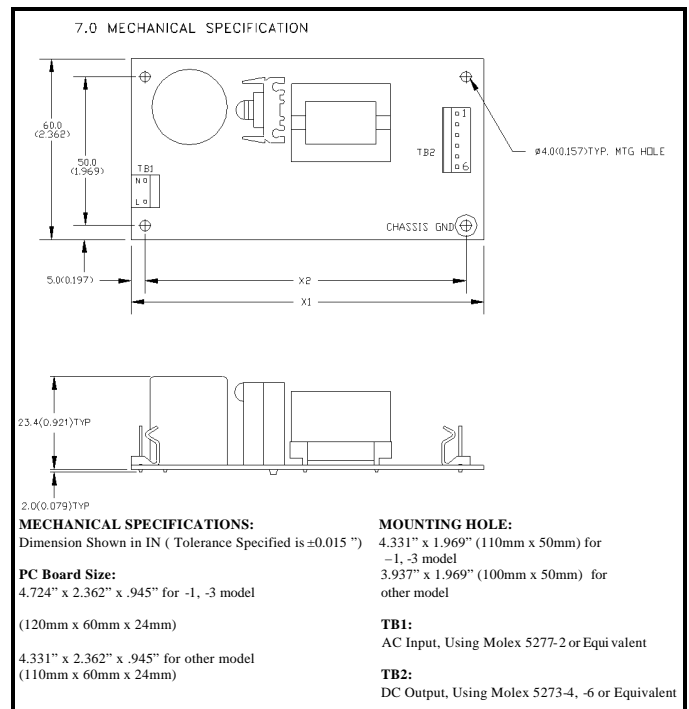
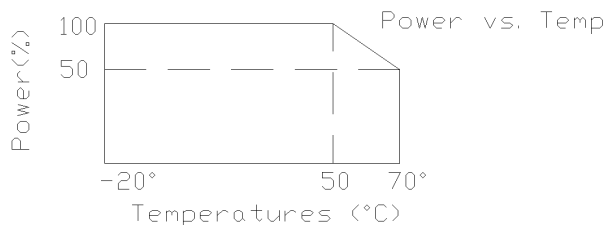
The series have over load hiccup mode protection on all single and multiple outputs. The UV420 Series is designed in full compliance to UL 1950CSA22.2 #234, and VDE EN60950.

FEATURES

- 80 TO 270VAC Universal Input
- Innovative Mosfet Design
- Low Cost
- High Efficiency
- 100% Hi-Pot Test
- 100% Cycling On-Off Burn-In Test
- Burn-in Line Filter to Meet FCC Class B

APPLICATIONS

- Hard Disk Subsystems
- External Floppy Disk Systems
- External Tape Back-Up Systems
- Terminal Systems
- Modems
- Printers & Plotters





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UV420 SERIES 20 WATT— PIN ASSIGNMENT

Pin	1	2	3	4	5	6
UV420-1	+5V	+5V	COM	COM	-12V	+12V
UV420-3	+5V	+5V	COM	COM	N/C	+12V
UV420-5	+5V	COM	COM	+24V	N/C	-
UV420-6	+5V	+5V	COM	COM	-	-
UV420-7	+12V	-12V	COM	COM	-	-
UV420-9	+24V	+24V	COM	COM	-	-
UV420-17	+5V	+5V	COM	COM	+3.3V	+3.3V
UV420-18	+3.3V	+3.3V	COM	COM	-	-

UV420 SERIES 20 WATT— OUTPUT SPECIFICATIONS

Model	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
		Min.	Rate	Peak			Line	Load
UV420-1	+5V	0	1	3	1%	50 mV	1%	1%
	+12V	0	1	1.5	5%	100 mV	1%	4%
	-12V	0	0.3	0.5	10%	100 mV	1%	4%
UV420-3	+5V	0	1	3	1%	50 mV	1%	1%
	+12V	0	1	1.5	5%	100 mV	1%	4%
UV420-5	+5V	0	2.5	3.0	1%	50 mV	1%	1%
	+24V	0	0.5	1.0	5%	100 mV	1%	5%
UV420-6	+5V	0	4	5	1%	50 mV	1%	1%
UV420-7	+12V	0	2	3	1%	100 mV	1%	1%
UV420-9	+24V	0	1	1.5	1%	150 mV	1%	1%
UV420-17	+5V	0	2.5	4.0	1%	50 mV	1%	1%
	+3.3V	0	2.5	4.0	1%	50 mV	1%	1%
UV420-18	+3.3V	0	5	-	1%	50 mV	1%	1%

Note: Contact factory for Safety Agency Approved status.