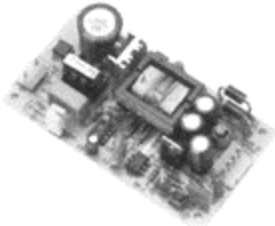




# UV420 SERIES

## 20Watt

## UNIVERSAL INPUT



### Description

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

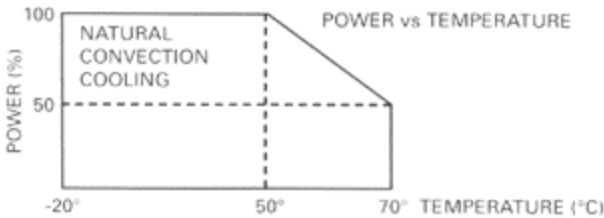
The series have over load hiccup mode protection on all single and multiple outputs. The UV420 Series is designed in full compliance to UL1950, CSA22.2 #234, and VDE EN60950.

### Features

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

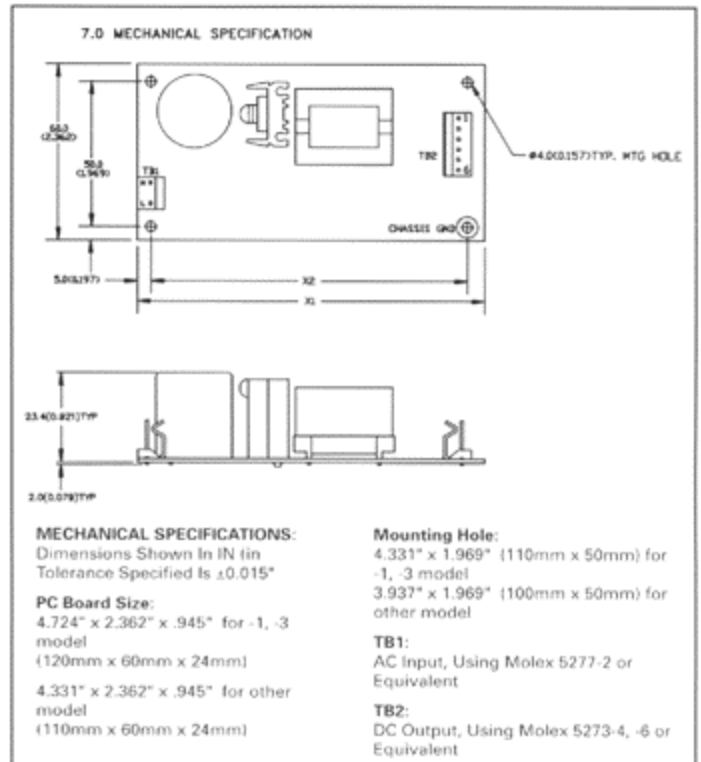
### Applications

- Hard Disk Sub-Systems
- External Floppy Disk Systems
- External Tape Back-Up Systems
- Terminals
- Modems
- Printers & Plotters



### General Specifications

Input Voltage .....	85VAC to 270VAC
Input Current .....	1 A AT 115VAC
.....	0.6 A At 230 VAC
Input Frequency .....	47Hz to 63Hz
Inrush Current (cold) .....	30A @ 115VAC
.....	60A @ 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"
All specifications subject to change without notice.	





### UV420 Series 20 Watt – Pin Assignment

Model \ 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 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%	50mV	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		1%	50 mV	1%	1%
	+24V	0	0.5		5%	150 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%

Note: Contact factory for Safety Agency Approved status.