



TRI-MAG, Inc.

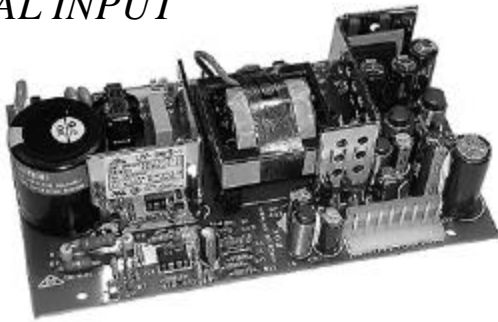
® your POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291
(559) 651-2222 • FAX (559) 651-0188
<http://www.tri-mag.com>
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UV365 SERIES

65 Watt

UNIVERSAL INPUT



DESCRIPTION

Tri-Mag, Inc. UV3650 Series, these 65 watt switchers feature universal input voltage (90-265VSC) and a wide input frequency range of 47Hz to 440Hz.

this series of switchers offers up to four outputs with a maximum 65 watts of continuous output power. Input line filtering is provided to meet the basic requirements of EMI/RFI regulations.

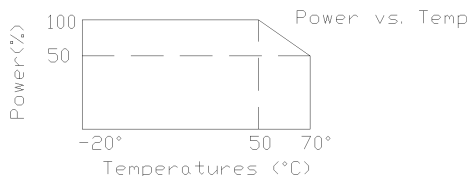
The technology of PWM flyback and high speed Mosfet design permits high efficiency an low minimum load requirements.

FEATURES

- 90 TO 264VAC Universal Input
- Compact & Low Cost
- Overload Protection
- Overvoltage Protection
- Short Circuit Protection
- 100% Hi-Pot Test
- 100% Cycling On-Off Burn-In Test
- Built-on Line Filter to Meet FCC Class B

APPLICATIONS

- Portable computer Systems
- Plotters, Printers
- Color Monitors, CRT Terminals
- Robotics, Instrumentation
- General Purpose
- Medical Equipment



GENERAL SPECIFICATIONS

Input Voltage..... 90VAC to 264VAC
or 120VDC to 350VDC

Input Frequency..... 47Hz to 63Hz

Inrush Current (cold)..... 30A @ 115VAC
60A @ 230VAC

Operating Temperature..... 0 to 50°C

Storage Temperature..... - 20°C to 85°C

Cooling..... Free Air Convection

Efficiency..... 75% Typical

Holdup Time..... 16ms at 115VAC

Overvoltage Type..... Crowbar
Trip Point, 6.2V ± 0.4V
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"

7.0 MECHANICAL SPECIFICATION

MECHANICAL SPECIFICATIONS:
Dimension Shown in IN (Tolerance Specified is ±0.016")

MOUNTING HOLE:
4.8" x 3.15" (122mm x 80mm)

PC Board Size:
6.0" x 3.5" x 1.77"
(152.5mm x 89mm x 45mm)

Weight:
380 Gram Approx.

TB1: Molex P/N
AC Input Connector, 09-65-2038
Mating Connector, 09-50-3031

TB2: Molex P/N
DC Output Connector, 09-65-2088
Mating Connector, 09-50-3081



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UV365 SERIES 65 WATT— PIN ASSIGNMENT

Pin	1	2	3	4	5	6	7	8
UV365-1	+5V	+5V	COM	COM	+12V	+12V	-12V	-5V
UV365-2	+5V	+5V	COM	COM	+12V	+12V	-12V	N/C
UV365-3	+5V	+5V	COM	COM	+12V	+12V	N/C	-5V
UV365-4	+5V	+5V	COM	COM	+12V	+12V	N/C	N/C
UV365-5	+5V	+5V	+5V	+5V	COM	COM	COM	COM
UV365-6	+12V	+12V	+12V	+12V	COM	COM	COM	COM
UV365-7	+15V	+15V	+15V	+15V	COM	COM	COM	COM
UV365-8	+24V	+24V	+24V	+24V	COM	COM	COM	COM
UV365-9	+15V	+15V	COM	COM	-15V	-15V	N/C	N/C
UV365-10	+5V	+5V	COM	COM	+15V	+15V	-15V	N/C
UV365-11	+5V	+5V	COM	COM	+15V	+15V	-12V	N/C

UV365 SERIES 65 WATT— OUTPUT SPECIFICATIONS

Model	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
		Min.	Rate	Peak			Line	Load
UV365-1	+5V	0.5	5.5	10.0	1%	50 mV	1%	1%
	+12V	0.2	2.5	4.0	5%	100 mV	3%	3%
	-12V	0	0.5	1.0	10%	100 mV	6%	6%
	-5V	0	0.5	1.0	10%	100 mV	6%	6%
UV365-2	+5V	0.5	6.0	10.0	1%	50 mV	1%	1%
	+12V	0.2	2.5	4.0	5%	100 mV	3%	3%
	-12V	0	0.5	1.0	10%	100 mV	6%	6%
UV365-3	+5V	0.5	5.5	10.0	1%	50 mV	1%	1%
	+12V	0.2	3.0	4.0	5%	100 mV	3%	3%
	-5V	0	0.5	1.0	10%	100 mV	6%	6%
UV365-4	+5V	0.5	6.0	10.0	1%	50 mV	1%	1%
	+12V	0.2	3.0	4.0	5%	100 mV	3%	3%
UV365-5	+5V	0.5	13	-	1%	50 mV	1%	1%
UV365-6	+12V	0.3	5.5	-	1%	100 mV	1%	1%
UV365-7	+15V	0.3	4.5	-	1%	100 mV	1%	1%
UV365-8	+24V	0.2	3.0	-	1%	150 mV	1%	1%
UV365-9	+15V	0.3	2.0	2.5	1%	100 mV	1%	1%
	-15V	0.3	2.0	2.5	5%	100 mV	3%	3%
UV365-10	+5V	0.5	6.0	10.0	1%	50 mV	1%	1%
	+15V	0.2	2.5	4.0	5%	100 mV	3%	3%
	-15V	0	0.5	1.0	10%	100 mV	6%	6%
UV365-11	+5V	0.5	4.0	-	1%	50 mV	1%	1%
	+15V	0.2	2.7	-	5%	100 mV	3%	3%
	-12V	0	0.5	-	10%	100 mV	6%	6%

Note: Contact factory for Safety Agency Approved status.

All specifications and prices subject to change without notice