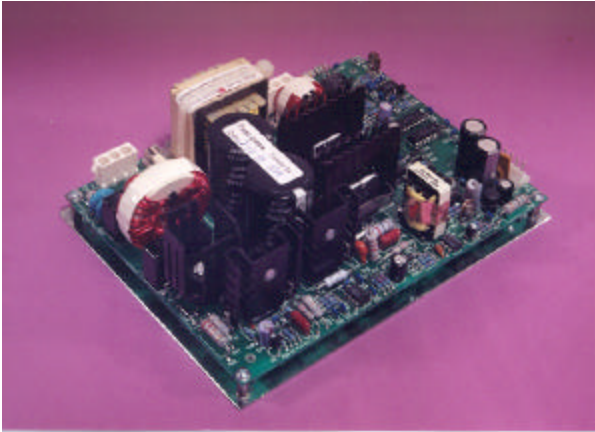




UV500-00 UV Lamp Switch-mode Power Supply

UV00000101



New

This switching power supply is a constant power source for the purpose of supplying power to a 400 watt UV Halide or other type of ultra-violet emitting lamp. The supply features an auto-ranging AC input, eliminating the need to configure voltage selectors for international use, and a "standby" logic signal for reducing output power while the system is idle. The unit also contains an isolated 5/24 Volt supply for powering system controllers, fans, shutters, etc.

TECHNICAL SPECIFICATIONS

Category	Parameter	Value	Conditions/Notes
General	Input Voltage	90 to 265 VAC	
	Source Input Frequency	47 Hz to 63 Hz	
	Supply Output Power (Total)	500 Watts	
	Efficiency (Typical)	93%	
Lamp Section	UV Lamp Power	400 Watts \pm 10%	Trim pot adjustable
	Output Volts	140 \pm 10%	Function of lamp voltage
	Wave Shape (Current / Voltage)	45 Hz Quasi Square	
	Ripple (Current / Voltage)	20% Max	
	Power Regulation	\pm 1%	
	Operation	Continuous Mode	
Low Voltage	24 VDC Line/Load Regulation	\pm 10%	40 Watts Max
	5 VDC Line/Load Regulation	\pm 2%	10 Watts Max
Protection	Inrush Current Limit	Provided	
	Line Voltage Surge Protection	Provided	
	Short Circuit Protection	Provided	All outputs: Lamp, 5V, and 24V
	Open Circuit Voltage Protection	Provided	
	Over Temperature Protection	Provided	
Environmental	Operating Temperature	0°C to +50°C	
	Storage Temperature	0°C to +70°C	
	Humidity	90% relative	With no condensation
	EMI RFI - Conducted	FCC Class A	
	EMI RFI - Conducted Optional	FCC Class B	w/ external filter
	Size	6.0 x 8.0 x 2.5"	
	Weight	2.6 lbs.	Open frame w/ mounting plate

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All specifications contained herein are preliminary and subject to change without notice