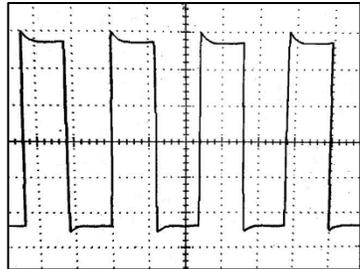




This switching power supply is a constant power source for supplying power to a 400 / 600 / 800 watt UV Halide or other type of ultraviolet emitting lamp. The supply features an auto-ranging AC input, eliminating the need to configure voltage selectors for international use, and a “standby” logic signal for reducing output power while the system is idle. The unit also contains an isolated 5/24 volts supply for powering system controllers, fans, shutters, etc. Lamp power is adjustable from 100% to 40% by an external pwm signal.

TECHNICAL SPECIFICATIONS

Category	Parameter	Value	Conditions/Notes
General	Model	400W / 600W / 800W Arc Lamp Power Supply	
	Part Number	UV0101 (400W) / UV0880 (600W) / UV4426 (800W)	
Power Supply	Input Voltage	100-120 / 200-240 VAC \pm 10% (auto-ranging)	
	Source Input Frequency	47 Hz to 63 Hz	
	Input Current	7 / 3.5 A (400W), 10 / 5 A (600W), 14 / 7 A (800W)	
	Efficiency	93%	(Typical)
Lamp	UV Lamp Power	400 / 600 / 800 W \pm 10%	Trim pot adjustable
	Nominal Lamp Voltage	100V to 170V	Function of lamp voltage
	Wave Shape (Current / Voltage)	45 Hz Quasi Square	
	Power Regulation	\pm 1%	
	Operation	Continuous Mode	
	Maximum Lamp Current	5.5 A	
	External Lamp Ignitor (Sold Separately)	PN: UV1998	
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 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	With external filter
Dimensions	L x W x H (inches)	7.35" x 5.5" x 2.25"	
	Weight (lbs.)	1.71 lbs.	Open frame