

# UMEC International Corporation

## UP0601E Series

### 55-60 Watt AC/DC Adapter

- ◆ Universal Input 90 to 264 VAC
- ◆ EMI Meets FCC/CISPR 22 Class B
- ◆ Design to Meets UL, CSA, TUV Safety Standards
- ◆ Power Consumption Less Than 0.75 Watt
- ◆ RoHS Compliant



### SPECIFICATIONS

All specifications are typical at nominal line, full load and 25°C unless otherwise noted.

### INPUT SPECIFICATIONS

Input Voltage Range ..... 90-264VAC  
Input Frequency ..... 47-63 Hz  
Inrush Current ..... No Component Damage

### GENERAL SPECIFICATIONS

Hold-up Time ..... 10mS typ.  
Efficiency ..... 80% typ.  
Leakage Current ..... 2.0mA max.  
Short Circuit Protection ..... Continuous  
Overvoltage Protection ..... All Models  
Overload Protection ..... 120-200% of rated value

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range ..... 0°C to 50°C  
Derating 40°C to 50°C ..... 2%/°C  
Temperature Coefficient ..... ±0.02%/°C  
Storage Temperature Range ..... -40°C to +85°C  
Humidity, Non-Condensing ..... 0 to 95% RH  
Cooling ..... Free- Air Convection  
EMI ..... Meets FCC/CISPR 22 Class B Specification



**UMEC International Corporation**  
2539 West 237th Street, Suite A  
Torrance, California 90505 USA

**www.umecintl.com**  
Tel: 310-326-7072  
Fax: 310-326-7058

# UMEC International Corporation

## OUTPUT SPECIFICATIONS

Model Number	Output Voltage(Volts)	Output Current (Amps)		Max. Power (Watts)	Efficiency (typ.)	Ripple <sup>1</sup> P-P (mV)	Total Regulation <sup>2</sup>
		Min.	Rated				
UP0601E-12P	12	0.0	4.58	55	80%	120	±4%
UP0601E-16P	16	0.0	3.44	55	80%	160	±4%
UP0601E-18P	18	0.0	3.33	60	82%	180	±4%
UP0601E-19P	19	0.0	3.16	60	82%	190	±4%
UP0601E-24P	24	0.0	2.5	60	82%	240	±4%

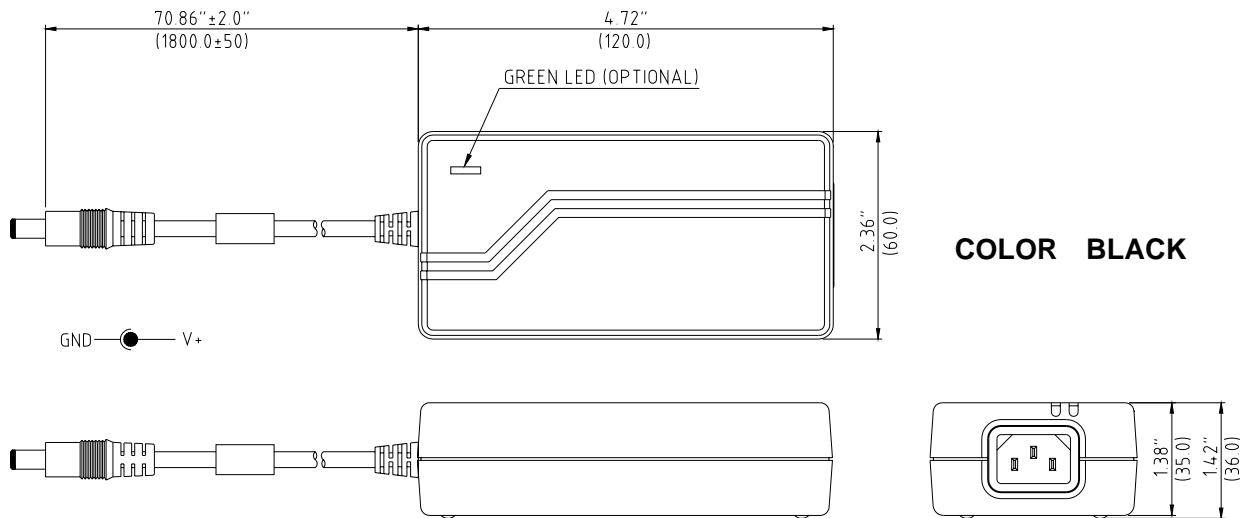
## NOTES

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to the output cable. Peak to peak and RMS metering equipment shall have a 20 MHz response with probes and cables maintaining frequency response from 200 Hz to 100MHz bandwidth. Output ripple and spikes are measured directly at the output terminals of the power supply without the use of the probe ground clip.
2. Total regulation is defined as the static output regulation at 25°C, including initial tolerance, line voltage and load current within stated limits.

## PHYSICAL SPECIFICATIONS

Weight : 370g.

Case Material : ABS Plastic UL94V-0 Flammability Rated.



## DC plug & pin assignment (CUSTOM DESIGN IS AVAILABLE)

IN 2.5(±0.2)/ OUT 5.5(±0.2)/ LENGTH 10(±0.5) (mm) DC PLUG FEMALE

## NOTES:

1. All dimensions in inches (mm).
2. Tolerance (except cable length): .xx = ±0.04"  
.xxx = ±0.010"



**UMEC International Corporation**  
2539 West 237th Street, Suite A  
Torrance, California 90505 USA

**www.umecintl.com**  
Tel: 310-326-7072  
Fax: 310-326-7058