



## 40W OPEN-FRAME AC-DC SWITCHING POWER SUPPLY **OPU40**



### FEATURES:

- SINGLE & DUAL OUTPUTS
- 100% HI-POT TESTED @ 3KVAC PRI-SEC.
- 100% CYCLING BURNT-IN
- INSULATION 50M OHM PRI-SEC.
- LEAKAGE CURRENT < 0.25MA @ 240VAC 50HZ

### SPECIFICATION

#### INPUT SPECIFICATION

**Input Voltage:** 90-264Vac typical.  
**Input Connector:** V-M connector  
**Input Frequency:** 47-63Hz.  
**Inrush Current:** 40A max. @ cold start 25 °C.  
**Input Current:** 1.0A max. @ 120Vac.  
**Protection:** 2A fuse on board.  
**EMI:** FCC part 15 Class B, CISPR 22 Class B  
**Hold-up Time:** >20mS @ full load 120Vac. typical

#### OUTPUT SPECIFICATION

**Output Voltage:** See Rating Charts  
**Output Current:** See Rating Charts  
**Output Wattage:** 40W max.  
**Output Connector:** V-M connector  
**Line Regulation:**  $\pm 1.0\%$  typical.  
**Load Regulation:**  $\pm 5.0\%$  typical.  
**Noise & Ripple:** 1% peak to peak typical.  
**OVP:** Build-in.  
**Overload Protection (OLP):** Fully protected against short circuit & over power. Consult the factory for OLP setting.

#### GENERAL SPECIFICATION

**Efficiency:** 70% typical @ full load.  
**Transient Response:** 10% @ 50% load change.  
**Safety Standard:** Meet UL60950/EN60950 Level B  
**Shock:** MIL-STD-610C 516 Part V  
**Vibration:** 10-500Hz 16 min/cycle/axis.  
**Operating Temperature:** Full load @ 0 to +50°C convection.  
**Storage Temperature:** -20 to +85 °C.  
**Construction:** PCB format

Note:

1. All measurements are at nominal input, full load, and +25 °C unless otherwise specified.
2. The exact obtainable load regulation depends upon the output cord selected and load current.
3. Due to requests in market and advances in technology, specifications subject to change without notification.



For the details of safety approval, please consult the factory.

## OUTPUT VOLTAGE / CURRENT RATINGS CHART

### DUAL OUTPUTS *(Model No. for example)*

MODEL NO.	OUTPUT# 1		OUTPUT# 2	
	VOLTAGE	CURRENT (MAX)	VOLTAGE	CURRENT (MAX)
OUP40-103	+3.3V	8.00A		
OUP40-105	+5.0V	7.00A		
OUP40-109	+9.0V	4.50A		
OUP40-112	+12.0V	3.33A		
OUP40-115	+15V.0V	2.70A		
OUP40-120	+20.0V	2.00A		
OUP40-124	+24.0V	1.70A		
OUP40-201	+5.0V	3.00A	+12.0V	2.0A
OUP40-202	+5.0V	3.00A	+15.0V	1.7A
OUP40-203	+5.0V	3.00A	+24.0V	0.9A
OUP40-204	+5.0V	5.00A	+3.3V	3.0A
OUP40-205	+5.0V	5.00A	-5.0V	2.0A
OUP40-206	+5.0V	5.00A	-12.0V	1.0A
OUP40-207	+5.0V	5.00A	-15.0V	1.0A
OUP40-208	+5.0V	5.00A	+12.0V	1.0A
OUP40-209	+5.0V	5.00A	+15V	1.0A
OUP40-210	+5.0V	5.00A	+24V	0.6A

### MECHANICAL DIMENSIONS: MM

