

UP1001F-() ()P SERIES

90-100 Watt AC/DC Adapter

- ◆ Universal Input 90 to 264 VAC
- ◆ EMI Meets FCC/CISPR 22 Class B
- ◆ Meet IEC61000-3-2 Harmonic Regulation
- ◆ Active Power Factor Correction
- ◆ No Load Input Power Consumption Less than 0.5 Watt at 240 VAC Input
- ◆ RoHS Compliant
- ◆ Meet CEC Efficiency Level: (TV)



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 80A max.(Cold Start)
Power Factor 95% min. @100VAC / 60HZ
90%min. @ 240VAC / 50HZ

GENERAL SPECIFICATIONS

Hold-up Time 10mS typ.
Leakage Current 0.25mA max.
Short Circuit Protection Continuous
Overvoltage Protection(Recycle) All Models
Overload Protecton..... 110-160% of rated valued
Continuous Output Power 100W max.
Hi-pot Isolation: Input / Output 4242 VDC

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range 0°C to 40°C
Derating O/P Power 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

OUTPUT SPECIFICATIONS

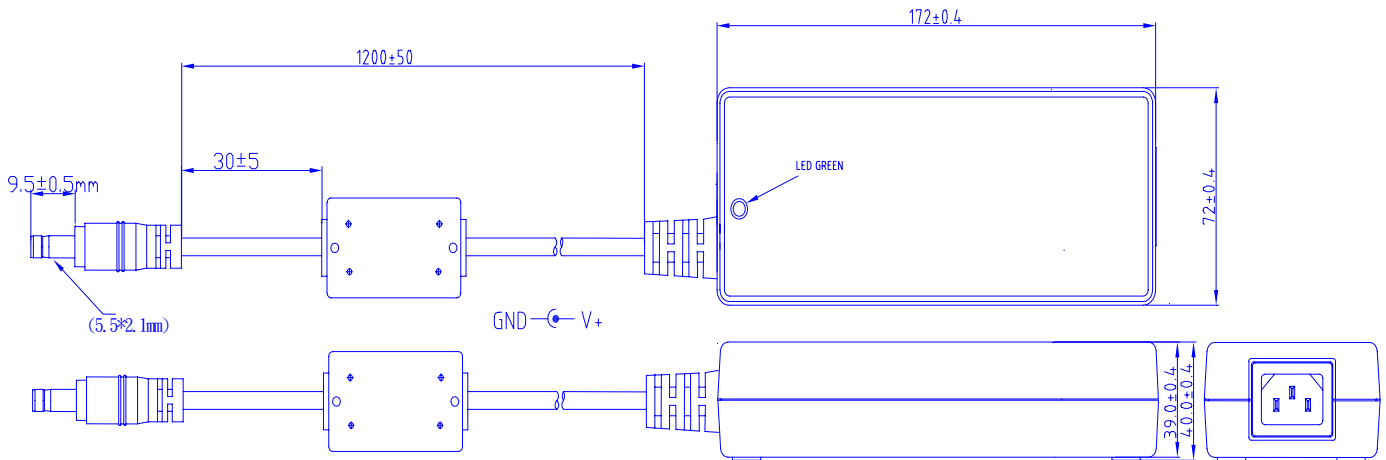
Model Number	Output Voltage (Volts)	Output Current (Amps)		Max. Power (watt)	Efficiency	Ripple ¹ P-P (mV)	Total Regulation ²
		Min.	Rated				
UP1001F-12P	12	0	7.5	90	Meet CEC Efficiency Level: (IV)	120	±5%
UP1001F-15P	15	0	6.0	90		150	±5%
UP1001F-20P	20	0	4.5	90		150	±5%
UP1001F-24P	24	0	4.2	100		240	±5%
UP1001F-48P	48	0	2.1	100		240	±5%

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 20MHz 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 : 560g



DC plug & pin assignment (CUSTOM DESIGN IS AVAILABLE)

IN 2.1(±0.2)/ OUT 5.5(±0.2)/ LENGTH 9.5(±0.5)(mm) DC PLUG FEMALE

NOTES:

1. All dimensions in millimeter



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