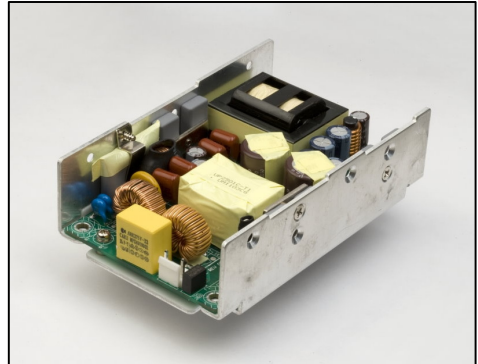


UP2501C-() () SERIES

250 Watt AC/DC Open Frame

Green Product
RoHS

- ◆ Universal Input 90 to 264 VAC
- ◆ 3.15"x 5"x 1.5" Open Frame
- ◆ Active Power Factor Correction for IEC 1000-3-2 Compliance
- ◆ EMI Meets FCC/CISPR 22 Class B
- ◆ Continuous Short Circuit Protection
- ◆ MTBF 300Khrs
- ◆ 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 130A max. @230VAC (Cold Start)
65A max. @110VAC (Cold Start)

GENERAL SPECIFICATIONS

Hold-up Time 5mS typ.
Leakage Current 3mA max.
Efficiency 85% Min
Short Circuit protection auto-recovery or latch
Overvoltage Protection auto-recovery or latch
Overload Protection ... 110% to 200% auto-recovery or latch
Continuous Output Power 250W max.
Hi-pot Isolation: Input / Output 4242 VDC

ENVIRONMENTAL SPECIFICATIONS

U-case Heat Sink Operating Temperature range
.....0°C to 70°C
Temperature Coefficient ±0.02%/°C
Storage Temperature Range -40°C to +85°C
Humidity, Non-Condensing 0 to 95% RH
Cooling Forced Air Cooling with 15CFM/600LFM fan
EMI Meets FCC/CISPR 22 Class B Specification

preliminary



**UNIVERSAL
MICROELECTRONICS**

UP2501C-() ()

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3,27TH RD., TAICHUNG INDUSTRIAL PARK,
TAICHUNG, TAIWAN, R.O.C.
TEL: 886-4-23590096 FAX: 886-4-23590129

REV.A

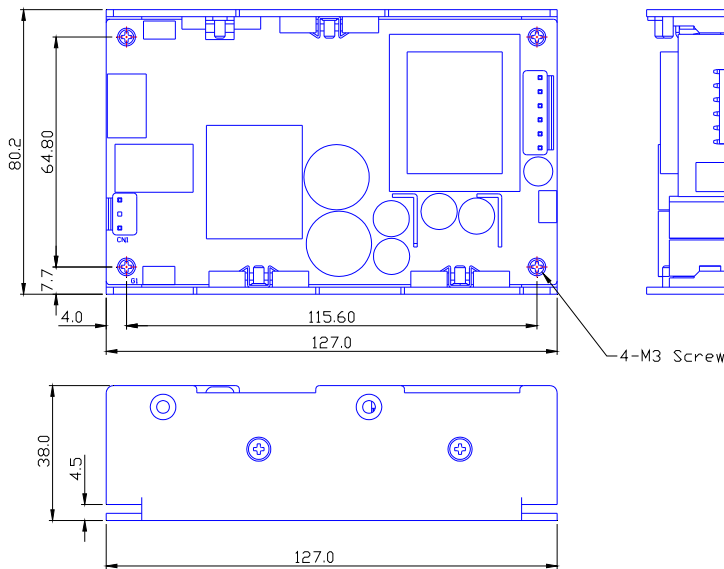
OUTPUT SPECIFICATIONS

Model Number	Output Voltage (Volts)	Output Current (Amps)		Ripple ¹ P-P (mV)	Total Regulation ²
		Min.	Rated		
UP2501C-12	12	0	20.8	150	±4%
UP2501C-15	15	0	16.6	150	±4%
UP2501C-24	24	0	10.4	240	±4%
UP2501C-48	48	0	5.2	480	±4%
UP2501C-56	56	0	4.5	560	±4%

NOTES:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to the output connector. 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.
3. All series safety pending.

PHYSICAL SPECIFICATIONS



CN1 input connector CS JS-1120-03N02 or equivalent	
Pin	Input voltage
L&N	90-264VAC

CN2 input connector TKP PVHI-06 or equivalent	
Pin	Input voltage
L&N	UP2501C-XX
1	Common
2	
3	
4	Vo
5	
6	

NOTES:

1. All dimensions in mm.
2. Tolerance: XX.X :±1.0mm
XX.XX:±0.5mm



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