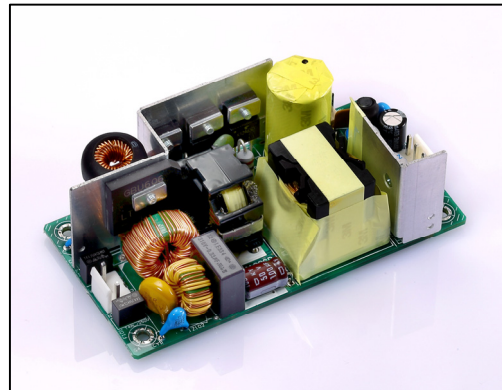


UP1302C-()() SERIES

130 Watts Max.



- ◆ 4x2 Compact size
- ◆ Universal AC input with active PFC
- ◆ 80W Free air convection,130W with 20 CFM forced air
- ◆ Built-in Fan Supply
- ◆ High efficiency up to 90%
- ◆ Protections: Short Circuit /Overvoltage/ Over Temperature
- ◆ No load power consumption<0.5W
- ◆ EN55022/11, Level B conducted & Level A radiated
- ◆ MTBF 300Khrs
- ◆ RoHS Compliant



SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range¹ 90-264VAC
Input Frequency 47-63 Hz
Inrush Current 40A max @110Vac Cold Star
..... 80A max @230Vac Cold Star
Input Current 3.3Arms max
Low Power Consumption 0.5W max. @ 230Vac

GENERAL SPECIFICATIONS

Hold-up Time, 130W 15 mS typ.
Efficiency² 90% typ.
Leakage Current 1mA max.
Short Circuit Protection Continuous Autorecovery
Overload Protection 105-200% of rated value
Overvoltage Protection 135% typ.
Continuous Output Power
Forced Air Cooling with 20 CFM fan 130W max.
Free air convection 80W max
Hi-pot Isolation: Input/ Output 4242 VDC
Weight 190 g

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range, 130W 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
EMI Meets FCC/CISPR 22 Level B conducted
& Level A radiated Specification
MTBF 300K hrs

NOTES:

1. Nominal line is 115VAC, 230VAC.
2. Average efficiencies measured at 25%, 50%, 75% & 100% of 130 W load and 230 VAC input.



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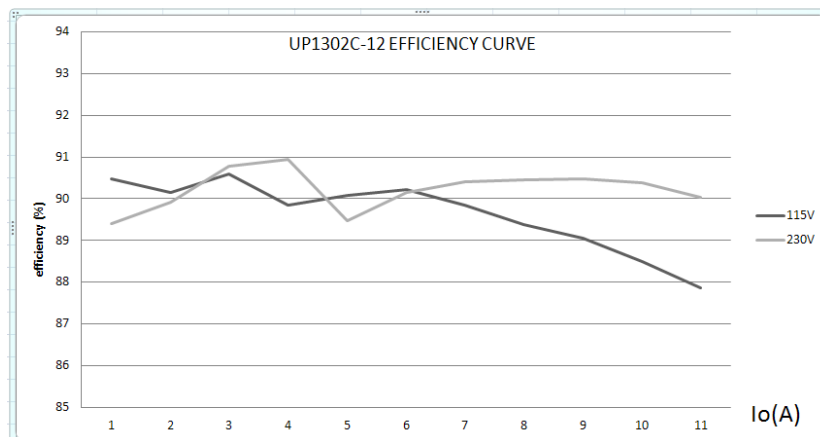
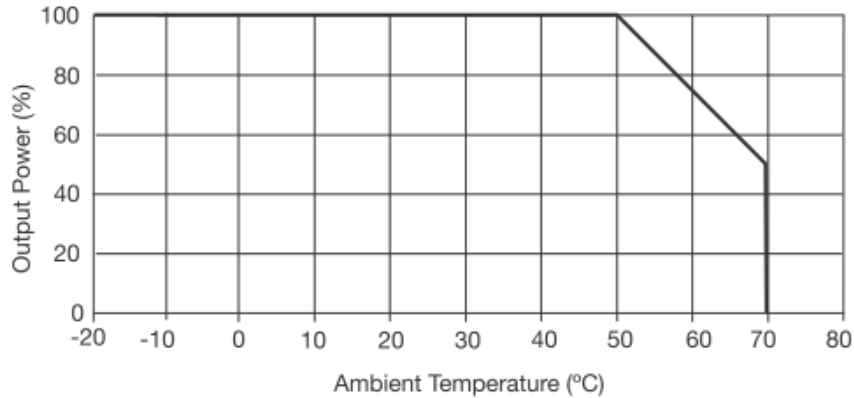
OUTPUT SPECIFICATION

Safety Model Number	Output Voltage (Volts)	Output Current (Amps)		FAN OUTPUT	Ripple ¹ P-P	Load Regulation ²	Total Regulation ²
		20CMF FAN	Convection				
UP1302C-12	12	10.83	6.67	12V/0.5A	120 mV	±1%	±4%
UP1302C-24	24	5.42	3.33	12V/0.5A	240 mV	±1%	±4%
UP1302C-48	48	2.70	1.67	12V/0.5A	480 mV	±1%	±4%
UP1302C-56	56	2.32	1.42	12V/0.5A	560 mV	±1%	±4%

NOTES:

1. Add a 0.1uf ceramic capacitor and a 47uf E.L. capacitor to the output cable. Peak to peak and RMS metering equipment shall have a 20MHz response with probes and cables maintaining frequency response from 200Hz to 100MHz band width. Output ripple and spikes are measured directly at the output terminals of the power supply without the use of the probe ground clip.
2. Load regulation is measured at 110VAC or 230VAC input, Load regulation is defined by changing ±40% of measured Output load from 60% rated load.
3. Mounting hole MH1, MH2, MH3, MH4 should be grounded for EMI purpose.

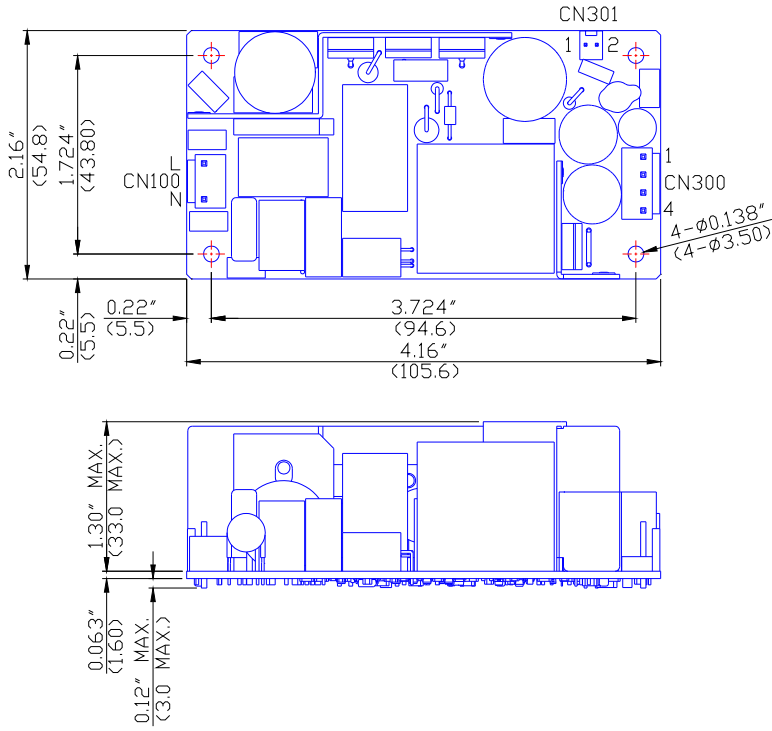
CHARACTERISTIC CURVE



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PHYSICAL SPECIFICATIONS



CN100 input connector CS JS-1120-03N02 or equivalent	
Pin	Input voltage
L&N	90-264VAC

CN301 FAN output connector 8812 02 or equivalent	
Pin	UP1302C-() ()
1	Fan+
2	Fan-

CN300 output connector TKP PVHI-04 or equivalent	
Model	
Pin	UP1302C-() ()
1	Common
2	
3	Vo+
4	

NOTES:

1. All dimensions are in inches (mm).
2. Tolerance .XX=±0.05", .XXX=±0.020"



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