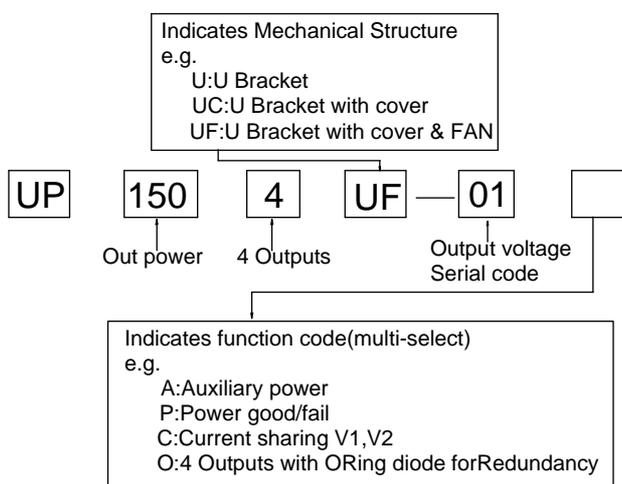


UP1504U-() () SERIES

150 Watts Quad+Aux Outputs Power Open Frame Switchers

- ◆ Active Power Factor Correction for IEC 1000-3-2 Compliance.
- ◆ Remote Sense on V1 & V2.
- ◆ Power Good/Power Fail(Optional).
- ◆ Single Wire Current Sharing on V1 & V2(Optional).
- ◆ Built-in OR-ing Diodes for N+1 Redundancy(Optional).
- ◆ With Metal Cover & FAN (Option).

PART NUMBERING SYSTEM



SPECIFICATIONS

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

INPUT SPECIFICATIONS

Input Voltage Range 85-264VAC
 Input Frequency 47-63 Hz
 Inrush Current 40A max.(Cold Start)

GENERAL SPECIFICATIONS

Hold-up Time 20mS typ.
 Efficiency 70% typ.¹
 Leakage Current 0.5mA max.
 Short Circuit Protection Shutdown & Latch off
 Overvoltage Protection V1,V2,V3,V4
 Overload Protection ... 110% to 150% Above Peak Rating
 Total Output Power :
 Convection Cooling 150W

LOGIC CONTROL

Power good/fail TTL logic signal goes high 50-150msec after Vo on regulation, and goes low at least 1ms before loss of regulation.
 Remote On/Off.....TTL logic signal. This signal open or go high, all output voltages except 5VAUX shall down. This signal go low, the power supply shall start up.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range 0°C to 70°C
 Derating 50°C to 70°C.....2.5%/°C
 Temperature Coefficient ± 0.04%/°C
 Storage Temperature Range -40°C to +85°C
 Humidity, Non-Condensing 0 to 95% RH
 EMI Filter(on Board):
 Conducted Meets FCC/CISPR 22 Class B Specification

NOTES

- 1.Non-ORing diodes versions. Efficiency: 70% typ.
 With-ORing diodes versions. Efficiency: 65% typ.

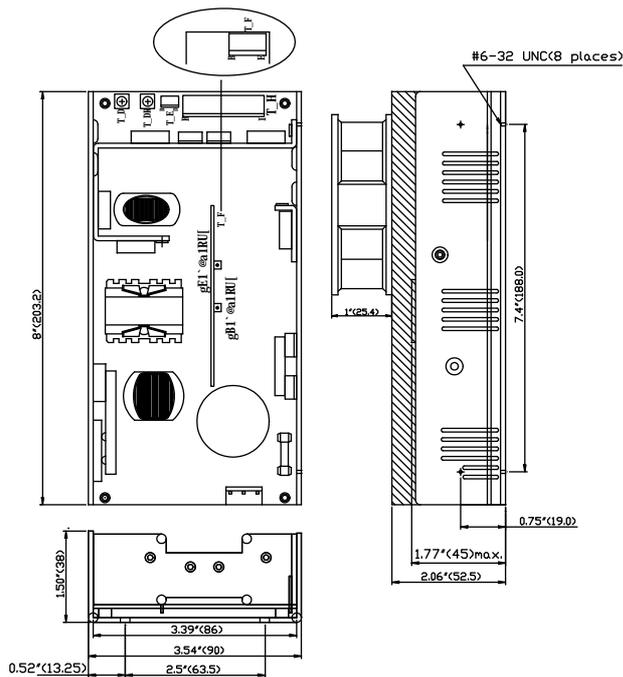
OUTPUT SPECIFICATIONS

Model Number	Output ¹ Voltage (Volts)	Output Current (Amps)		Peak ² (Amps)	Ripple ³ P-P (mV)	Regulation ⁴
		Min.	Rated			
UP1504U-01	V1 +5V	2	20	30	50	± 2%
	V2 +3V3	0.5	10	20	50	± 3%
	V3 ± 12V	0.0	1	1.5	120	± 3%
	V4 ± 5-25V	0.0	1	3	120	± 3%
	VAUX +5V	0.0	0.2	0.2	50	± 3%
UP1504U-02	V1 +5V	2	15	30	50	± 2%
	V2 +12V	0.5	6.5	10	50	± 3%
	V3 ± 12V	0.0	1	1.5	120	± 3%
	V4 ± 5V	0.0	1	3	120	± 3%
	VAUX +5V	0.0	0.2	0.2	50	± 3%
UP1504U-03	V1 +3V3	4	30	40	50	± 3%
	V2 +5V	0.5	6	10	50	± 3%
	V3 ± 12V	0.0	1	1.5	150	± 3%
	V4 ± 5-25V	0.0	1	3	150	± 3%
	VAUX +5V	0.0	0.2	0.2	50	± 3%

NOTES:

1. The V1 output voltage is set to ± 1%, with all the outputs at rated load.
2. Peak output current lasting less than one minute with duty factor less than 5%. During peak loading total peak power must not exceed 165W, and the output voltage may exceed regulation limits.
3. 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.
4. At 25°C including initial tolerance, line voltage, load currents and output voltages adjusted to factory setting.
5. V4 Output adjustable 5-25V, factory set at 5V.
6. Minimum loads are required. If the load is removed from all outputs, the supply must start up and operate.

PHYSICAL SPECIFICATIONS



Pin Assignments						
CN1	Pin1	Earth	Line	CN5	Pin1	PS-ON
	Pin3				Pin2	P.G.F.
CN3	Pin5	Neutral	Pin3		Return	
	CN3A	Return	Pin4		V1+Share	
			Pin5		V2+Share	
CN4	Pin1	V1	CN7	Pin1	V3	
				Pin2	V3 Ret	
				Pin3	V4	
	Pin4	V4 Ret				
	Pin5	5V AUX				
Pin6	V2					
Pin7	V2					
Pin8	V2					

NOTES:

1. Specifications subject to change without notice.
2. All dimensions are in inches and (mm) tolerance is ± 0.02"



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