


Model: TC-300R8  
300W PS2 Mini Redundant Power Supply



## Features

- TEMPERATURE RANGE: Operation 0°C~50°C
- HOLD UP TIME: 16ms at maximum load & normal input voltage
- EFFICIENCY: 70% TYPICAL (Normal Line)
- POWER GOOD SIGNAL: Should be asserted high to indicate that +5VDC and +3.3VDC output are above the low voltage thresholds. Compatible signal out with 100ms to 500ms.
- OVER POWER PROTECTION: The power supply shall shut down output power exceeds 130% to 160%
- OVER VOLTAGE PROTECTION: Standard on +5.0V, set at 6.25VDC  $\pm$  0.75VDC
- SHORT CIRCUIT PROTECTION: A short circuit placed between the DC return and the output shall cause no damage and the power supply shall shutdown.
- EMI: FCC part 15, subpart B, Class B, EN55022 CISPR22 Class B.
- AGENCY APPROVALS: UL60950, CAN/CSA22.2 No.60950, TUV(IEC60950)
- MTBF OF POWER SUPPLY ELECTRONICS: 100,000 hours at 25°C. LIFE EXPECTANCY OF FAN 40,000 hours at 40°C
- COOLING: By forced air 2x40mm, 1 x 80mm Fan
- DIMENSION: D174 X W150 X H86mm

## AC Input







- VOLTAGE: 90 ~132V / 180~264V Auto Select
- FREQUENCY: 47/63Hz
- INPUT CURRENT: 8A/4A For 115/230VAC
- INRUSH CURRENT: 60A/80A MAX FOR 115/230 

## DC Output

OUTPUT VOLTAGE	OUTPUT CURRENT		REGULATION		OUTPUT RIPPLE & NOISE MAX. [P-P]
	MIN(A)	MAX(A)	LOAD	LINE	
+5V	3	30	±5%	±1%	50mV
+12V	2	15	±5%	±1%	120mV
-5V	0.1	0.5	±10%	±1%	150mV
-12V	0.1	0.8	±10%	±1%	150mV
+3.3V	1	24	±5%	±1%	50mV
+5VSB	0.1	2	±5%	±1%	50mV

The combined output power +5V&+3.3V shall not exceed 150W.

The total power shall not exceed 300W.

Output Connector						
Quantity	(20+4)P x1	M8P x1	M4P x1	HDD x 7	Floppy x 1	LED

## Mechanical Drawing

