

TC-1800/2000 RHN4



1U Type N+1 Redundant Power Supply

■ Features

- Universal AC input/Full range
- Active power factor Correction
- Protections:Over Power/Over Voltage/Short Circuits
- Current Sharing design on +3.3V, +5V and +12V
- Front panel LED to Indicate Power Status
- Power Fault Alarm Signals
- Alarm Reset
- 100% burn-in test

Electrical Specifications:

Input Ratings

Model No.	TC-1800/2000RHN4
Input Voltage	100~240VAC,±10%
Input Current	26A For 115VAC, 10A For 230VAC
Input Frequency	47Hz ~ 63Hz
Power Factor	> 0.96@230VAC/50Hz,full load

Output Ratings

Output Voltage	Output Current				Regulation LOAD LINE		Output Ripple & Noise Max.(p-p)
	TC-1800RHN4		TC-2000RHN4				
	Min.	Max.	Min.	Max.			
+5V	4A	91A	4A	91A	5%	1%	50mV
+3.3V	4A	70A	4A	70A	5%	1%	50mV
+12V	6A	130A	6A	145A	5%	1%	70mV
-12V	0A	2A	0A	2A	5%	1%	70mV
+5VSB	0.4A	3.5A	0.4A	3.5A	5%	1%	50mV
Efficiency	72% Typical at full load						
Hold up Time	16m sec. minimum, at full load						

REMARKS: 1.Total Max output of +5V AND +3.3V not exceed 580W
2.Power module Total output power not exceed 1800W for TC-1800RHN4 and 2000W for TC-2000RHN4.
3.Noise bandwidth is from DC to 20MHz.

Protections

Over Power	110% ~ 150% rated output power
Over Voltage	+5V→5.7V~6.5V,+3.3V→3.7V~4.1V,+12V→12.8V~13.9V
Short Circuit	Shut down o/p voltage, re-power on to recover

Function

Power Good Signal	100ms~500ms, TTL compatible signal
Power Fail Delay	> 1msec. ,TTL compatible signal
PS-ON	Power off:PS-ON = 2V min. ;Power on:PS-ON = 0.8V max.

Environmental

Operating Temperature	0°C to 45°C
Storage Temperature	-20°C to +70°C
Operating Humidity	20% to 90%,non-condensing
Storage Humidity	5% to 95%, non-condensing

Safety & EMI/RFI

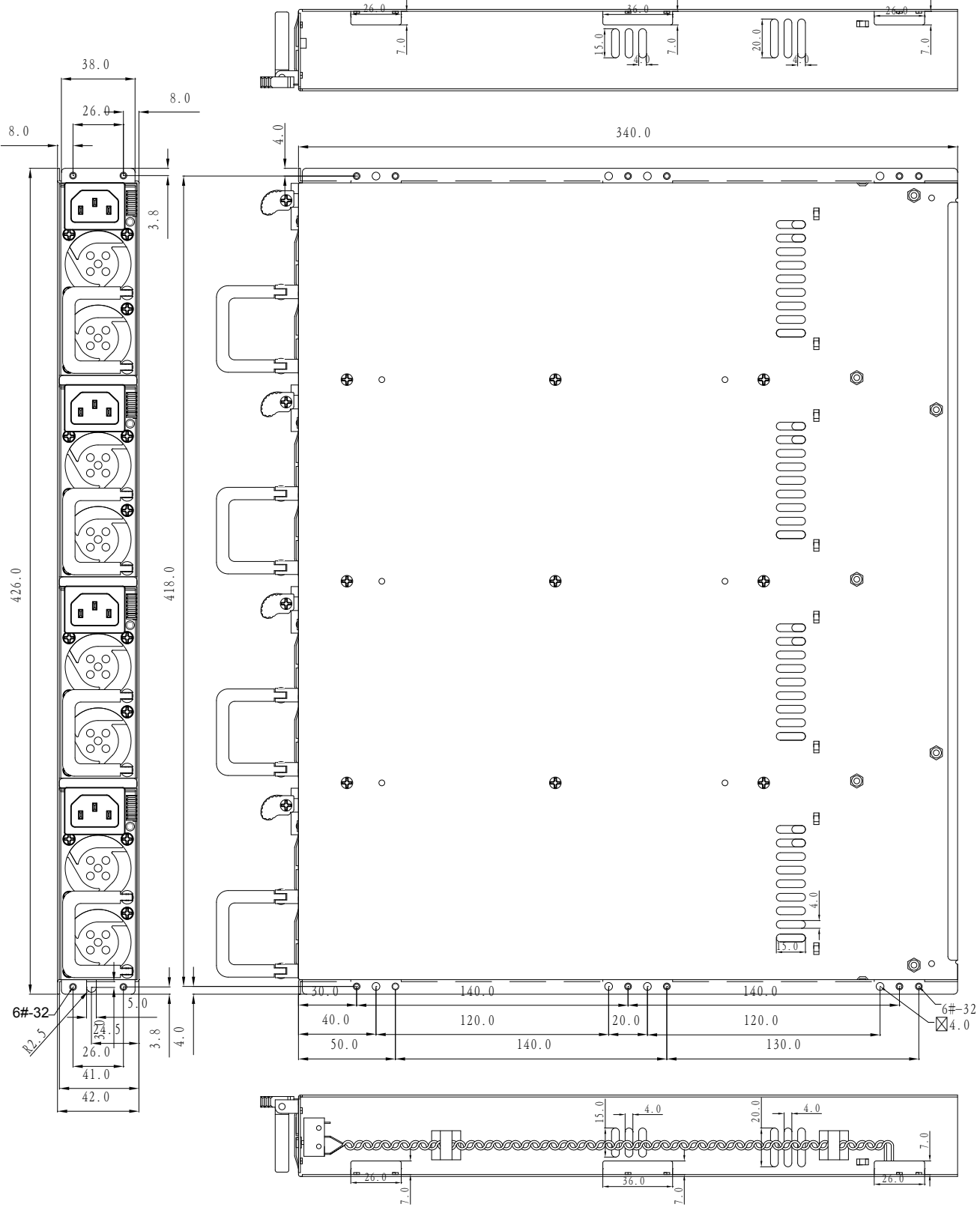
Safety Standards	UL,cUL,TUV,CB
EMI/RFI Standards	CISPR22(EN55022) Class B, FCC Part15 Class B
Harmonic	EN61000-3-2

Others

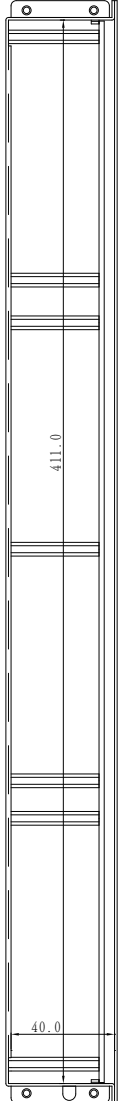
MTBF	> 100,000 hours
Coolings	38x38x28mmx8 DC FANS
Dimension(DxWxH)	340x426x42mm

REVISIONS		SING	DATE
REV	DESCRIPTION		

DIMENSION 840(D) x 426(W) x 42(H)mm



I-STAR COMPUTER		mm	UNITS	mm
MATERIAL			DRAW NO	
APPROVE BY			CHECK BY	
DATE			SHEET	
PROJECTION			JACKY	
DATE			2007.7.18	
PART NO			OF	
MODEL NO			2007.7.18	
PART NO				



TOLERANCES:	
XXX± 0.2	
XX± 0.1	
X± 0.2	