



# TC-1200RVN3

## 3U Type N+1 Redundant Power Supply



### Features

- Universal AC input / Full range
- Active power factor Correction
- Protection: 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



### Introduction

Introduce the true three AC input 3U Redundant Power Supply. The TC-1200/1350RVN3 has full redundancy function even with only one AC source. It has standard PFC, hot swappable power modules and load sharing capability. High performance cooling system with 6 fans and air cell vent.

### Electrical Specifications

#### Input Rating

Model No.	TC-1200RVN3
Input Voltage	100~240VAC, ±10%
Input Current	17A For 115VAC, 7A For 230VAC
Input Frequency	47Hz ~ 63Hz
Power Factor	> 0.96@230VAC/50Hz, full load

#### Output Rating

Output Voltage	Output Current		Regulation LOAD LINE		Output Ripple & Noise Max.(p-p)
	TC-1200RVN3 Min.	Max.			
+5V	3A	60A	5%	1%	50mV
+3.3V	3A	47A	5%	1%	50mV
+12V	4.5A	88A	5%	1%	70mV
-12V	0A	1.5A	5%	1%	70mV
+5VSB	0.3A	3A	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 400W  
2.Power module Total output power not exceed 1200W for TC-1200RVN3.  
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	38x38x28mmx6 DC FANS
Dimension(DxWxH)	300x101x125mm

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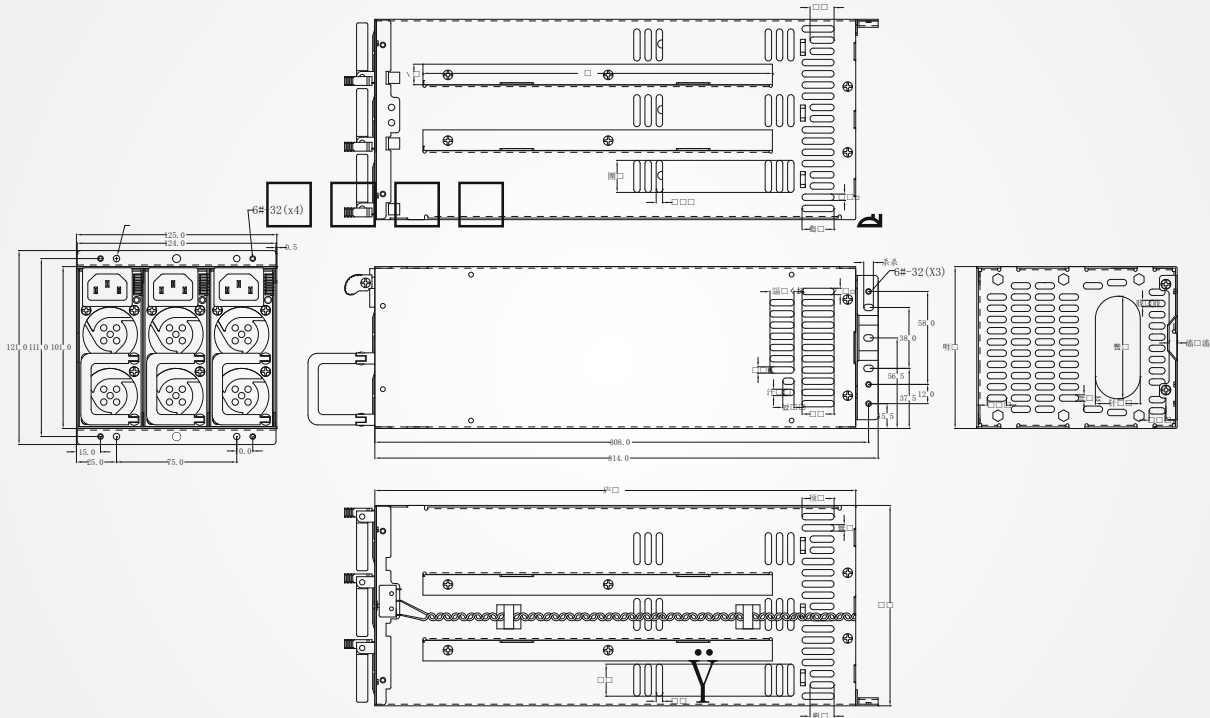
Application ▶

SERVER

STORAGE

WORKSTATION

### • Mechanical Drawing •



### • Pinouts Of Connectors •

