



TC-1800RVN4

4U 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 four AC input 4U Redundant Power Supply. The TC-1800/2000RVN4 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 8 fans and air cell vent.

Electrical Specifications

Input Rating

Model No.	TC-1800RVN4
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 Rating

Output Voltage	Output Current		Regulation LOAD LINE		Output Ripple & Noise Max.(p-p)
	TC-1800RVN4 Min.	Max.			
+5V	4A	91A	5%	1%	50mV
+3.3V	4A	70A	5%	1%	50mV
+12V	6A	130A	5%	1%	70mV
-12V	0A	2A	5%	1%	70mV
+5VSB	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-1800RVN4.
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)	300x101x166mm

TC-1800RVN4

4U Type N+1 Redundant Power Supply

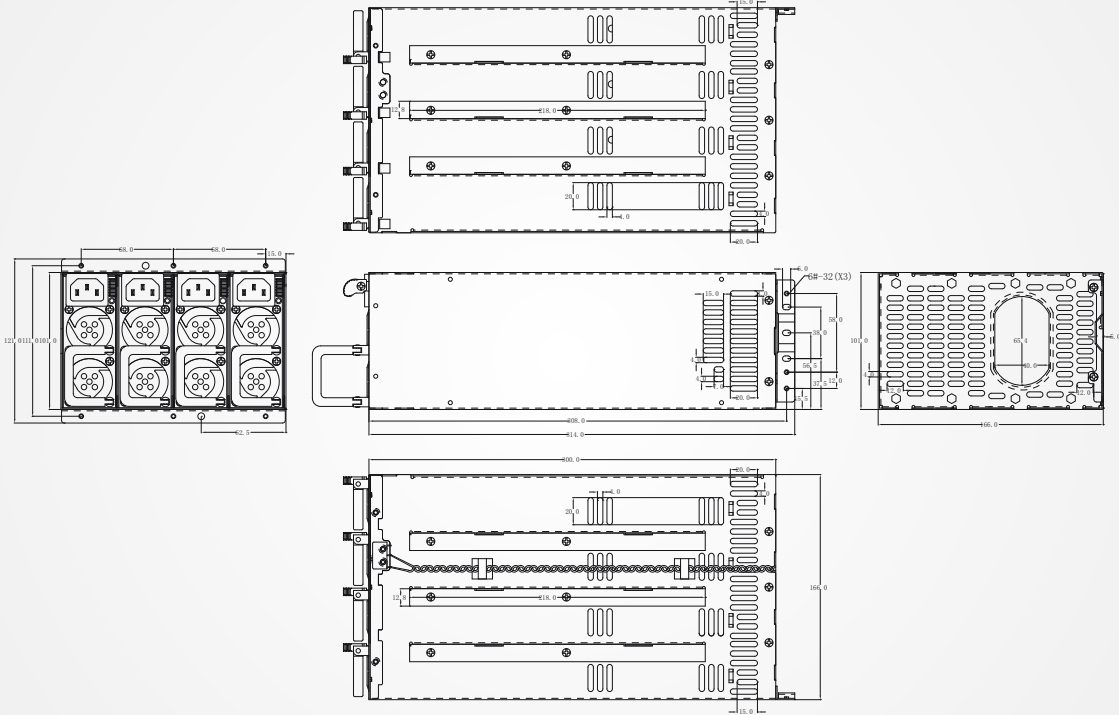
Application ▶

SERVER

STORAGE

WORKSTATION

• Mechanical Drawing •



• Pinouts of Connectors •

