TC-500R8PD2

500W PS2 Mini High Efficiency Redundant Power Supply

Features

- Universal Input, Active PFC
- Efficiency: 88% at full load
- OPP (Over Power Protection)
- OVP (Over Voltage Protection)
- OCP (Over Current Protection)
- SCP (Short Circuit Protection)
- MTBF > 100,000 Hours
- PMBus 1.2 for Digital Power Management
- Fit into tower server without extra brackets

Specifications

Model Number	Efficiency
TC-500R8PD2	88%
RoHS Compliance	**Connector Type**
YES	Main Connector :: 24 pin/ 8pin EPS 12V :: 2/ Molex :: 2/ SATA :: 4/ Floppy :: 1
Output Wattage	**Dimensions (WxHxD)**
500	Width 5.91" (150.1 mm) Height 3.39" (86.1 mm) Depth 7.48" (190.0 mm)

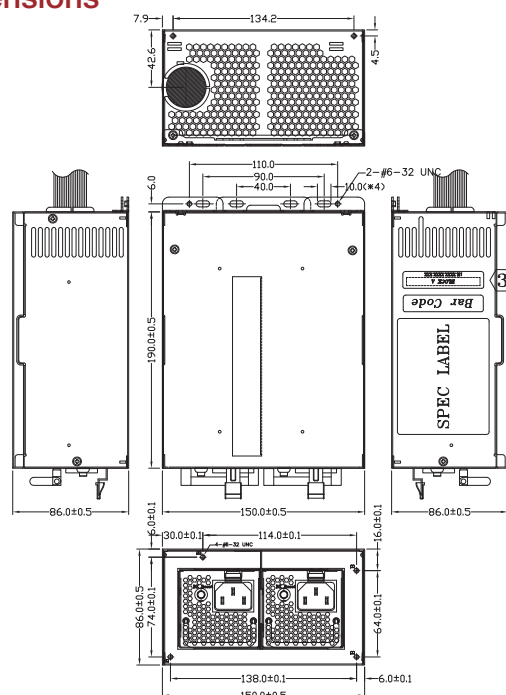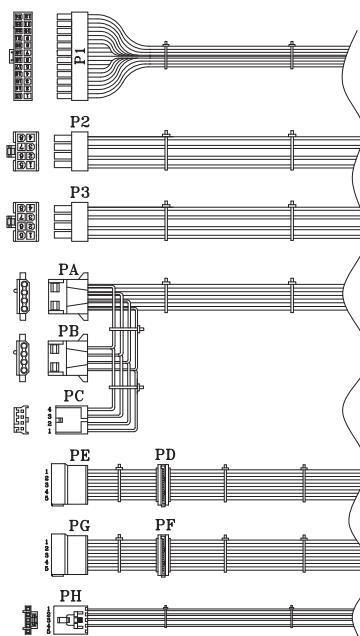## Front View

Side View

Rear View

We at iStarUSA Group offer OEM/ODM services for Industrial Power, Custom Power, Chassis, Cabinets, and Data Storage. Through our skilled metal bending, milling, and silk screening we can provide you with unique customizations that will make your product stand out from the rest. With iStarUSA Group's OEM/ODM Solutions you can be sure to receive one-of-a-kind products for your one-of-a-kind business.

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All standard off the shelf product specifications can change without prior notice
Last updated: 2020-01-18

Dimensions

NOTE:
1. ALL THE LENGTH OF OUTPUT WIRES EXCLUDE HOUSING.

REF. ID	PIN NO.	SIGNAL	WIRE COLOR	GAUGE	CONNECTOR TYPE	CABLE LENGTH
P1	1	+3.3VDC	ORANGE	18	MOLEX 39-01-2240 or EQUIV.	500±15mm
	2	+3.3VDC	ORANGE	18		
	3	COM	BLACK	18		
	4	+5VDC	RED	18		
	5	COM	BLACK	18		
	6	+5VDC	RED	18		
	7	COM	BLACK	18		
	8	PW-OK	GRAY	22		
	9	+5Vsb	PURPLE	18		
	10	+12V3	YEL/Blue	18		
	11	+12V3	YEL/Blue	18		
	12	+3.3VDC	ORANGE	18		
	13	+3.3VDC	ORANGE	18		
		+3.3Vsense	BROWN	22		
	14	-12VDC	BLUE	22		
	15	COM	BLACK	18		
	16	PS-ON	GREEN	22		
	17	COM	BLACK	18		
	18	COM	BLACK	18		
	19	COM	BLACK	18		
	20					
	21	+5VDC	RED	18		
	22	+5VDC	RED	18		
	23	+5VDC	RED	18		
	24	COM	BLACK	18		
P2	1	COM	BLACK	18	MOLEX 39-01-2080 or EQUIV.	500±15mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	COM	BLACK	18		
	5	+12V1	YELLOW	18		
	6	+12V1	YELLOW	18		
	7	+12V1	YELLOW	18		
	8	+12V1	YELLOW	18		
P3	1	COM	BLACK	18	MOLEX 39-01-2080 or EQUIV.	500±15mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	COM	BLACK	18		
	5	+12V2	YEL/Black	18		
	6	+12V2	YEL/Black	18		
	7	+12V2	YEL/Black	18		
	8	+12V2	YEL/Black	18		
PA	1	+12V3	YEL/Blue	18	AMP 1-480424-0 or EQUIV.	500±15mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5VDC	RED	18		
PB	1	+12V3	YEL/Blue	18	AMP 1-480424-0 or EQUIV.	155±10mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5VDC	RED	18		
PC	1	+5VDC	RED	22	AMP 171822-4 or EQUIV.	155±10mm
	2	COM	BLACK	22		
	3	COM	BLACK	22		
	4	+12V3	YEL/Blue	22		
PD PF	1	+3.3VDC	ORANGE	18	MOLEX SD-87926-0011 or EQUIV.	500±15mm
	2	COM	BLACK	18		
	3	+5VDC	RED	18		
	4	COM	BLACK	18		
	5	+12V3	YEL/Blue	18		
PE PG	1	+3.3VDC	ORANGE	18	MOLEX SD-87582-001 or EQUIV.	155±10mm
	2	COM	BLACK	18		
	3	+5VDC	RED	18		
	4	COM	BLACK	18		
	5	+12V3	YEL/Blue	18		
PH	1	SCL	BLUE	22	WST P5-125408 or EQUIV.	500±10mm
	2	SDA	PRUPLE	22		
	3	PSALERT	GREEN	22		
	4	GND	BLACK	22		
	5					

UNIT:mm

Compatible Chassis

* Please visit our website www.istarusa.com/en/xeal for a full list of compatible chassis

Output Rating

Voltage	Minimum Continuous	Maximum Continuous	Peak
+3.3 V	0 A	20.0 A	
+5 V	0 A	20.0 A	
+12V1	1A	16.0 A	
+12V2	0 A	16.0A	
+12V3	0A	16.0A	
-12 V	0 A	0.5A	
+5 VSB	0 A	3 A	