

TS-DR: Single Output DIN rail Power supply

TS-DR-75-48	75W Single Output DIN rail Power supply
TS-DR-120-48	120W Single Output DIN rail Power supply
TS-DR-240-48	240W Single Output DIN rail Power supply



Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Can be installed on DIN rail
- LED indicator for power on
- 100% full load burn-in test
- Fix switching frequency at 50KHz

SPECIFICATION :

Model	TS-DR-240-48	TS-DR-120-48	TS-DR-75-48
DC output voltage	48V		
Output voltage range(Note:2)	±1%		
Rated output current	5A	2.5A	1.6A
Output current range	0-5A	0-2.5A	0-1.6A
Wave and noise(Note:3)	150mVp-p	100mVp-p	240mVp-p
Inlet stability(Note:4)	±0.5%		
Load stability(Note:5)	±1%		
DC output power	240W	120W	75W
Efficiency	85%		81%
Adjustable range for DC voltage	43.2~52.8V%		
AC input voltage range	88~264VAC 47~63Hz; 120~370VDC	88~132VAC 47~63Hz; 240~370VDC	85~264VAC 47~63Hz; 120~370VDC
Input current	3.5A/115V 1.8A/230V	3.3A/115V 2A/230V	1.8A/115V 0.9A/230V
AC inrush current	Cold-start current 30A/115V 60A/230V		
Leakage current	<3.5mA/240VAC		
Overload protection	105%~150% Type: pulsing hiccup shutdown Reset: tuto recovery		
Over-voltage protection	54~60V	58~62V	43.2~52.8V
High-temperature protection	100°C±5°C(TSW1)	/	/

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Temperature coefficient	$\pm 0.03\%/^{\circ}\text{C}(0\sim 50^{\circ}\text{C})$		
Setup, rise , hold up time	800ms, 40ms,20ms/230VAC 800ms, 40ms, 20ms/115VAC	500ms,70ms, 50ms/230V	1000ms, 60ms, 50ms/230V
Vibration	10~500Hz, 2G 10min,/1cycle, Period for 60min, Each axes		
Withstand voltage	Input and output internal: Input and enclosur: 1.5KvAC, Output and enclosure: 0.5KvAC		
Isolation resistance	Input and output internal: Input and enclosure, Output and enclosure:500VDC/100M Ω		
Working temperature and humidity	-10 $^{\circ}\text{C}\sim$ +60 $^{\circ}\text{C}$ (Refer to output derating curve), 20%~90%RH	10 $^{\circ}\text{C}\sim$ 50 $^{\circ}\text{C}$ (Refer to output derating curve), 20%~90%RH	-10 $^{\circ}\text{C}\sim$ +60 $^{\circ}\text{C}$ (Refer to output derating curve), 20%~90%RH
Overall dimension	125.5 $\times$ 125.2 $\times$ 100mm	65.5 $\times$ 125.2 $\times$ 100mm	55.5 $\times$ 125.2 $\times$ 100mm
Weight	1.2Kgs 20PCS/14Kg/1.1CUFT	0.8Kgs 24PCS/19.2Kg/1.1CUFT	0.551Kgs 20PCS/14Kg/1.1CUFT
Safety standards	Meet UL 1012 requiement (Not apply for the mark)		
EMC standards	Meet FCC PART 15 J Conduction class B		