

120W Single 1 Phase Industrial DIN RAIL Power Supply

Features:

- Universal AC input/Full range
- Protection: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Constant Current limited with charge function
- Can be installed on DIN rail TS-35/7.5 or 15
- compliant to UL 508(industrial control equipment)
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty



Specification:

MODEL		DIN RAIL 120W
INPUT	VOLTAGE RANGE	AC85 – 264V 1 ϕ or DC120 – 370V
	AC CURRENT	3,3A at 115VAC ; 2A at 230VAC
	FREQUENCY RANGE	47 – 63Hz
	EFFICIENCY	88%
	INRUSH CURRENT	30A _{typ} /115VAC 60A _{typ} /230VAC(At cold state)
OUTPUT	LEAKAGE CURRENT	1mA max/240VAC
	DC VOLTAGE	12VDC; 24VDC; 48VDC
	RATED CURRENT	10A; 5A; 2,5A
	CURRENT RANGE	0 ~ 3.2A
	RATED POWER	120W
	RIPPLE NOISE	80mVp-p
	VOLTAGE ADJ RANGE	22 ~ 28V
	VOLTAGE TOLERANCE	+/-1.0%
	LINE REGULATION	+/-0.5%
	LOAD REGULATION	+/-0.5%
	SETUP, RISE, HOLD TIME	60ms, 230VAC ; 60ms, 115VAC at full load
	PROTECTION	OVER LOAD
OVER VOLTAGE		29 ~ 36V
OVER TEMPERATURE		100°C+/-5°C (PTC) Detect inside of transformer Protection type: Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMPERATURE	-10 ~ +60°C (Refer to output load derating curve)
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	+/-0.03% (0 ~ 50°C)
SAFETY AND EMC	VIBRATION	10 ~ 500Hz, 2G 10min/1cycle, 60min. each along X, Y, Z axes
	SAFETY STANDARDS	Compliance to UL508, TUV EN60950-1
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG 100M Ohms/500VDC
	EMI CONDUCTION & RADIATION	Compliance to EN55011(CISPR11), EN55022(CISPR22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,3
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2(EN50082-2) Heavy industry level, criteria A
	MTBF	120Khrs min. MIL-HDBK-217F (25°C)
	DIMENSION	53 * 125.2 * 100.5mm (W * H * D)
NOTE	PACKING	0.55Kg; 40pcs/22kg/1.9CUFT
		1. All Parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Ordering Information:

Model Name	Output Voltage	Minimal Load	Maximal load	Peak Load	Ripple/Noise	Eff.
TPS120-DR1S01	11~15VDC	0	10A	7,5A	70mV	83%
TPS120-DR1S02	19~28VDC	0	5A	4,2A	100mV	87%
TPS120-DR1S03	46~52VDC	0	2,5A	2,3A	150mV	89%

Drawing:

TPS120 series

视图方向	视图方向		数量/台	比例
	签名	日期		
机壳型号	TPS120-DR1S01	设计		
产品编号	901001100	绘圖		
产品品名	DR120W-24V/SAK	审核		
产品名称		批准	共 张	第 张
产品材质		上海德百实电器电子有限公司 Shanghai TPS Power Electronic Co.,Ltd.		
表面处理				