



## Features:

- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- EN61000-6-2(EN50082-2) industrial immunity level
- 100% full load burn-in test
- Fixed switching frequency at 70KHz
- 3 years warranty

## **SPECIFICATION**



MODEL		DRH-120-24	DRH-120-48	
ОИТРИТ	DC VOLTAGE	24V	48V	
	RATED CURRENT	5A	2.5A	
	CURRENT RANGE	0 ~ 5A	0~2.5A	
	RATED POWER	120W	120W	
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V	
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±0.5%	±0.5%	
	SETUP, RISE, HOLD UP TIME	1700ms, 120ms, 16ms/400VAC 1000ms, 120ms, 30ms/500VAC at full load		
INPUT	VOLTAGE RANGE	340 ~ 550VAC 480 ~ 780VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	85%	86%	
	AC CURRENT	0.65A/400VAC 0.6A/500VAC		
	INRUSH CURRENT (max.)	COLD START 50A		
	LEAKAGE CURRENT	<3.5mA / 530VAC		
PROTECTION	OVERLOAD	105 ~ 160% rated output power		
		Protection type: Constant current limiting, recovers automatically after fault condition is removed		
	OVER VOLTAGE	30 ~ 36V	59 ~ 66V	
		Protection type : Shut down o/p voltage, re-power on to recover		
	OVER TEMPERATURE	85°C ±5°C (TSW) detect on heatsink of power switch		
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		
ENVIRONMENT	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)		
	VIBRATION	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting clip: Compliance to IEC60068-2-6		
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60950-1 approved, IEC60950-1 CB approved by SIQ		
	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 / $500VDC$ / $25^{\circ}C$ / $70\%$ RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55011 (CISPR11), EN55022 (CISPR22), EN61204-3 Class B		
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A		
-	MTBF	178.7Khrs min. MIL-HDBK-217F (25℃)		
	DIMENSION	65.5*125.2*100mm (W*H*D)		
	PACKING	0.75Kg; 20pcs/16Kg/1.29CUFT		
NOTE	Ripple & noise are measure     Tolerance : includes set up	rameters NOT specially mentioned are measured at 400VAC input, rated load and 25°C of ambient temperature.  A noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  Ince: includes set up tolerance, line regulation and load regulation.  The final equipment must be re-confirmed that it still meets directives.		



