



Features:

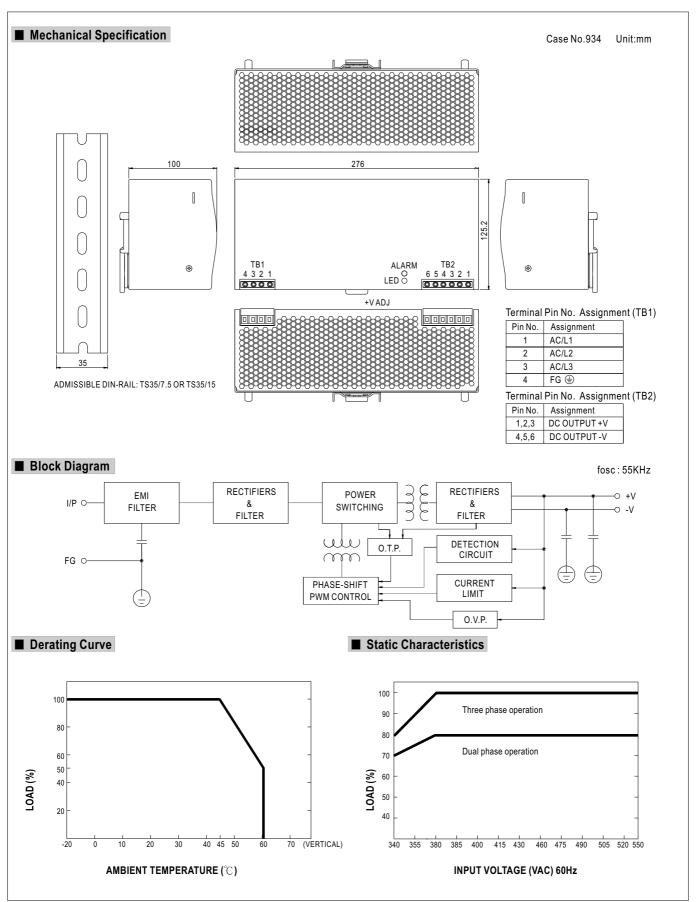
- Three-Phase AC 340 ~ 550V wide range input
- High efficiency 91% and low dissipation
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Optional parallel function(1+1)
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- EN61000-6-2(EN50082-2) industrial immunity level
- 100% full load burn-in test
- 3 years warranty

SPECIFICATION



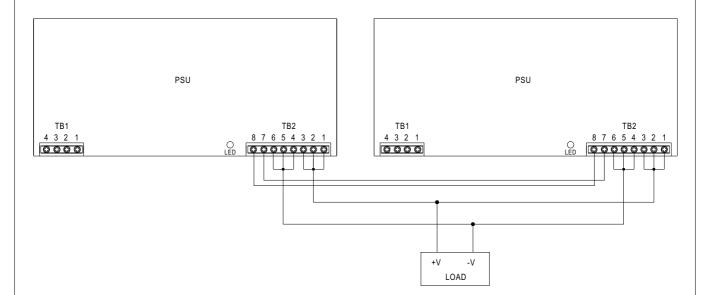
MODEL		DRT-960-24	DRT-960-48	
ОИТРИТ	DC VOLTAGE	24V	48V	
	RATED CURRENT	40A	20A	
	CURRENT RANGE	0 ~ 40A	0~20A	
	RATED POWER	960W	960W	
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	
	VOLTAGE ADJ. RANGE	24~28V	48 ~ 55V	
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±0.5%	±0.5%	
	SETUP, RISE TIME	200ms, 60ms/400VAC 200ms, 60ms/500VAC at full load		
	HOLD UP TIME (Typ.)	14ms/400VAC 30ms/500VAC at full load		
INPUT	VOLTAGE RANGE	Three-Phase 340 ~ 550VAC (Dual phase operation possible in connecting L1,L3,FG Note.5)		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	91%	92%	
	AC CURRENT (Typ.)	2A/400VAC 1.6A/500VAC		
	INRUSH CURRENT (max.)	COLD START 50A		
	LEAKAGE CURRENT	<3.5mA / 530VAC		
	OVERLOAD	105 ~ 125% rated output power		
		Protection type: Constant current limiting, unit will shut down o/p voltage after 3 sec., re-power on to recover		
	OVER VOLTAGE	30 ~ 36V 59 ~ 66V		
PROTECTION		Protection type : Shut down o/p voltage, re-power on to recover		
	OVER TEMPERATURE	110°C ±5°C (TSW1) detect on heatsink of power transistor 85°C ±5°C (TSW2) detect on heatsink of power diode		
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		
	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
ENVIRONMENT	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: Compliance to IEC60068-2-6		
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950-1 approved		
	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°C / 70% RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55011 (CISPR11), EN55022 (CISPR22), EN61204-3 Class B		
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3		
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61204-3, I	EN61000-6-2 (EN50082-2), heavy industry level, criteria A	
OTHERS	MTBF	122.5Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	276*125.2*100mm (W*H*D)		
	PACKING	3.3Kg; 4pcs/14.2Kg/1.14CÚFT		
NOTE		ly mentioned are measured at 400VAC input, rated load and 25 at 20MHz of bandwidth by using a 12" twisted pair-wire termi		
	Tolerance : includes set up The power supply is consid EMC directives.	tolerance, line regulation and load regulation. ered a component which will be installed into a final equipment. ecting L1,L3,FG)is allowed under certain derating to output load	The final equipment must be re-confirmed that it still meets	







■ Parallel Function (1+1)-Optional (Special order required)



TB1 Terminal Pin No. Assignment

Pin No.	Assignment
1	AC/L1
2	AC/L2
3	AC/L3
4	FG 🖶

TB2 Terminal Pin No. Assignment

Pin No.	Assignment
1,2,3	DC OUTPUT +V
4,5,6	DC OUTPUT -V
7	GND
8	P(Current Share)

Note: Under parallel operation, if the load current is too small, only one PSU(master) would provide the power and hence the LED indicator of other PSUs may not light up.