

960W Three Phase Industrial DIN RAIL Power Supply



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		NTS-48V-20A		
OUTPUT	DC VOLTAGE	48V		
	RATED CURRENT	20A		
	CURRENT RANGE	0 ~ 20A		
	RATED POWER	960W		
	RIPPLE & NOISE (max.) Note.2	80mVp-p		
	VOLTAGE ADJ. RANGE	48 ~ 55V		
	VOLTAGE TOLERANCE Note.3	±1.0%		
	LINE REGULATION	±0.5%		
LOAD REGULATION	±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		
PROTECTION	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 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		
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./1 cycle, 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		
	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, 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/1.14CUFT		
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 400VAC 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 a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 5. Dual phase operation(connecting L1,L3,FG)is allowed under certain derating to output load. Please refer to the derating curves for details. 			