



■ 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







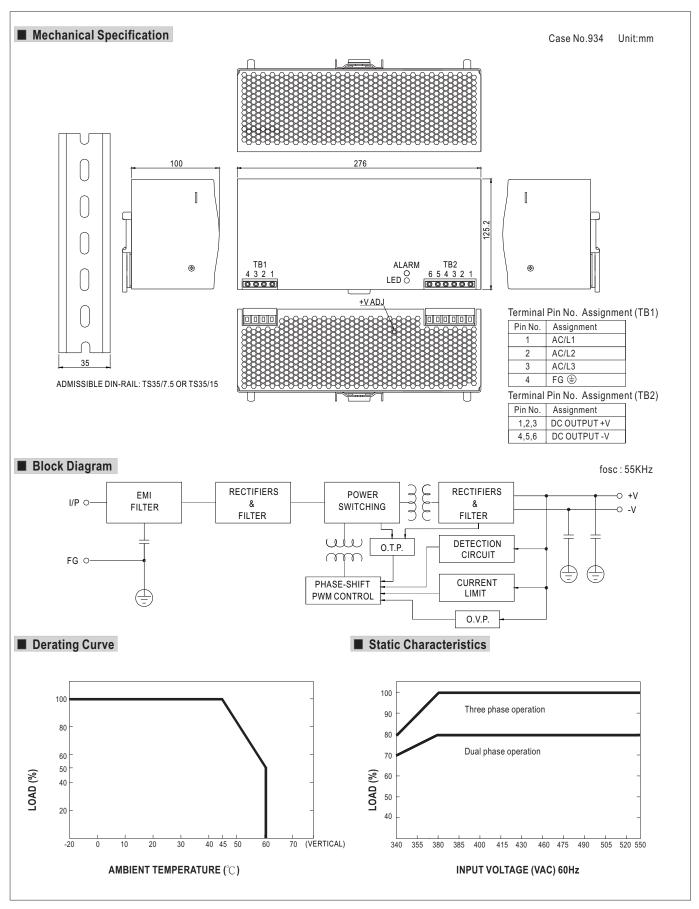


SPECIFICATION

DC VOLTAGE 24V	MODEL		DRT-960-24	DRT-960-48	
CURRENT RANGE 0 - 40A 950W 95		DC VOLTAGE	24V	48V	
NATED POWER 960W 960W 960W RIPPLE & NOISE (max.) Note.2 80mVp-p	ОИТРИТ	RATED CURRENT	40A	20A	
RIPPLE & NOISE (max.) Note.2 80mVp-p 80mVp-p 80mVp-p VOLTAGE ADJ. RANGE 24 - 28V 48 - 55V VOLTAGE ADJ. RANGE 24 - 28V 49 - 55V VOLTAGE TOLERANCE Note.3 ±1.0% ±1.0% ±1.0% ±0.5% ±0.5% ±0.5% ±0.5% ±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 VOLTAGE RANGE Three-Phase 340 - 550VAC (Dual phase operation possible in connecting L1,L3,FG Note.5) FREQUENCY RANGE 47 - 63HZ 47		CURRENT RANGE	0 ~ 40A	0~20A	
OUTPUT VOLTAGE ADJ. RANGE		RATED POWER	960W	960W	
VOLTAGE TOLERANCE Note.3		RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	
LINE REGULATION ±0.5% ±0.5% ±0.5% ±0.5% LOAD REGULATION ±0.5% ±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 VOLTAGE RANGE Three-Phase 340 ~ 550VAC (Dual phase operation possible in connecting L1,L3,FG Note.5) FREQUENCY RANGE 47 ~ 63Hz FEFICIENCY (Typ.) 91% 91% 92% AC CURRENT (Typ.) 2A/400VAC 1.6A/500VAC INRUSH CURRENT (max.) COLD START 50A LEAKAGE CURRENT 3.530VAC OVERLOAD 7.52% rated output power Protection type: Constant current limiting, unit will shut down of p voltage after 3 sec., re-power on to recover OVER VOLTAGE 7.52% rated output power Protection type: Constant current limiting, unit will shut down of p voltage after 3 sec., re-power on to recover OVER VOLTAGE 7.52% rated output power Protection type: Shut down of p voltage, re-power on to recover OVER VOLTAGE 9.50 × 0.00		VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V	
LOAD REGULATION ±0.5% ±0.5% ±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 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% S2% AC CURRENT (Typ.) 2A/400VAC 1.6A/500VAC INRUSH CURRENT (max.) COLD START 50A LEAKAGE CURRENT <3.5mA/530VAC Protection type: Constant current limiting, unit will shut down o/p voltage after 3 sec., re-power on to recover OVER VOLTAGE 30 ~ 38V 59 ~ 66V Protection type: Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically after temperature goes down OVER TEMPERATURE Shut down o/p voltage, re-power automatically aft		VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	
SETUP, RISE TIME		LINE REGULATION	±0.5%	±0.5%	
HOLD UP TIME (Typ.)		LOAD REGULATION	±0.5%	±0.5%	
VOLTAGE RANGE		SETUP, RISE TIME	200ms, 60ms/400VAC 200ms, 60ms/500VAC at full load		
FREQUENCY RANGE		HOLD UP TIME (Typ.)	14ms/400VAC 30ms/500VAC at full load		
EFFICIENCY (Typ.) 91% 92%		VOLTAGE RANGE	Three-Phase 340 ~ 550VAC (Dual phase operation possible in connecting L1,L3,FG Note.5)		
AC CURRENT (Typ.) 2A/400VAC 1.6A/500VAC 1.6A/500VA		FREQUENCY RANGE	47 ~ 63Hz		
INRUSH CURRENT (max.) ZA40UVAC 1.5A/S00VAC		EFFICIENCY (Typ.)	91%	92%	
LEAKAGE CURRENT OVERLOAD OVERLOAD OVERLOAD OVERLOAD OVERLOAD OVER VOLTAGE OVER VOLTAGE OVER VOLTAGE OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE SHUT STORAGE TEMP, HUMIDITY 100 - 90% RH non-condensing TEMP. COEFFICIENT 100 - 90% RH non-condensing TEMP. COEFFICIENT 100 - 95% RH non-condensing TEMP. COEFFICIENT 100 - 95% RH non-condensing SAFETY STANDARDS UL508, UL60950-1, TUV EN60950-1, EAC TP TC 004 approved WITHSTAND VOLTAGE WITHSTAND VOLTAGE WITHSTAND VOLTAGE WITHSTAND VOLTAGE WIP-O/P, WP-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT NOTE 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.	INPUT	AC CURRENT (Typ.)	2A/400VAC 1.6A/500VAC		
PROTECTION OVER VOLTAGE OVER VOLTAGE OVER VOLTAGE OVER TEMPERATURE Shut down o/p voltage, rec-power on to recover OVER TEMPERATURE Shut down o/p voltage, rec-power on to recover OVER TEMPERATURE Shut down o/p voltage, rec-power on to recover OVER TEMPERATURE WORKING TEMP. -20 ~ +60°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP, HUMIDITY 40 ~ +85°C, 10 ~ 95% RH non-condensing TEMP. COEFFICIENT 10.03%/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 STANDARDS UL508, UL60950-1, TUV EN60950-1, EAC TP TC 004 approved WITHSTAND VOLTAGE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC (Note 4) EMC EMC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMC IMMUNITY Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.		INRUSH CURRENT (max.)	COLD START 50A		
PROTECTION OVER VOLTAGE OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage after 2 sectors OVER TEMPERATURE Shut down o/p voltage after 2 sectors OVER TEMPERATURE Shut down o/p voltage after 2 sectors OVER TEMPERATURE Shut down o/p voltage after 2 sectors OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p volta		LEAKAGE CURRENT	<3.5mA / 530VAC		
PROTECTION OVER VOLTAGE OVER TEMPERATURE Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, recovers automatically after temperature goes down WORKING TEMP. 40 ~ 460°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP, HUMIDITY 40 ~ 485°C, 10 ~ 95% RH non-condensing TEMP, COEFFICIENT VIBRATION Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6 SAFETY STANDARDS WITHSTAND VOLTAGE WITHSTAND VOLTAGE I/P-O/P.3KVAC I/P-FG:2KVAC O/P-FG:0.5kVAC SOLOHOM OND SINCE (Note 4) EMC EMISSION EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2, -3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) MTBF 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.			105 ~ 125% rated output power		
OVER VOLTAGE Protection type: Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, recovers automatically after temperature goes down WORKING TEMP. WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP., HUMIDITY 40 ~ +85°C, 10 ~ 95% RH non-condensing TEMP. COEFFICIENT 10.03%//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 STANDARDS UL508, UL60950-1, TUV EN60950-1, EAC TP TC 004 approved WITHSTAND VOLTAGE WP-O/P:3KVAC I/P-G:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE WP-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 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 0.1 uf & 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.		OVERLOAD	Protection type: Constant current limiting, unit will shut down o/p voltage after 3 sec., re-power on to recover		
Protection type: Shut down o/p voltage, re-power on to recover OVER TEMPERATURE Shut down o/p voltage, recovers automatically after temperature goes down WORKING TEMP. WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT 10.03%/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 STANDARDS UL508, UL60950-1, TUV EN60950-1, EAC TP TC 004 approved WITHSTAND VOLTAGE I/P-O/P.3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING NOTE 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.	PROTECTION	OVER VOLTAGE	30 ~ 36V	59 ~ 66V	
WORKING TEMP. -20 ~ +60°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH non-condensing TEMP. COEFFICIENT			Protection type : Shut down o/p voltage, re-power on to recover		
WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH non-condensing 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 & WITHSTAND VOLTAGE I/P-0/P;3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-0/P; I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.		OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down		
ENVIRONMENT STORAGE TEMP., HUMIDITY 40 ~ +85°C, 10 ~ 95% RH non-condensing 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 & SAFETY STANDARDS UL508, UL60950-1, TUV EN60950-1, EAC TP TC 004 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.		WORKING TEMP.	-20 ~ +60°C (Refer to "Derating Curve")		
TEMP. COEFFICIENT ### 10.03%/°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 STANDARDS UL508, UL60950-1, TUV EN60950-1, EAC TP TC 004 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-G:2KVAC I/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.	ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
VIBRATION Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6 SAFETY STANDARDS UL508, UL60950-1, TUV EN60950-1, EAC TP TC 004 approved WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.		STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing		
SAFETY & WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC EMC (Note 4) ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.		TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)		
SAFETY & EMC (Note 4) WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-FG:0.5KVAC SOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.		VIBRATION	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6		
EMC (Note 4) ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.		SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950-1, EAC TP TC 004 approved		
(Note 4) EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020 EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.	SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
EMC IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 MTBF 122.5K hrs min. MIL-HDBK-217F (25°C) DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.	EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH		
OTHERS MTBF	(Note 4)	EMC EMISSION Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EN61000-3-2,-3, EAC TP TO		204-3 Class B, EN61000-3-2,-3, EAC TP TC 020	
OTHERS DIMENSION 276*125.2*100mm (W*H*D) PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.		EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2	2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020	
PACKING 3.3Kg; 4pcs/14.2Kg/1.14CUFT 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.		MTBF	122.5K hrs min. MIL-HDBK-217F (25°ℂ)		
NOTE 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.	OTHERS	DIMENSION	276*125.2*100mm (W*H*D)		
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.			S- 1		
5. Dual phase operation(connecting L1,L3,FG)is allowed under certain derating to output load. Please refer to the derating curves for details. 6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(68).	NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is conside EMC directives. Dual phase operation(connection)			

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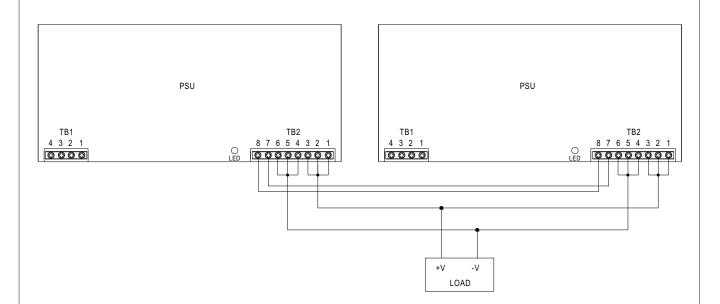


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■ Parallel Function (1+1)-Optional (Special order required)

When in parallel operation, the minimum output load should be greater than 3% of total output load. (Min. load >3% rated current per unit x number of unit)



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.