

Features

- High efficiency 89% and low dissipation
- Protections:Short circuit/Over load/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
- UL 508(industrial control equipment)approved
- EN61000-6-2(EN50082-2) industrial immunity level
- 100% full load burn-in test
- 3 year warranty



DC output voltage	48V	
Output rated current	20A	
Output current range	0~20A	
Rated output power	960W	
Ripple & noise	80mVp-p	
Voltage adj. range	48~55V	
Voltage tolerance	±1.0%	
Line regulation	±0.5%	
Load regulation	±0.5%	
Setup, rise, hold time	200ms, 60ms, 10ms/400VAC	200ms, 60ms, 24ms/500VAC at full load
Input voltage range	Three phrase 340 ~ 550VAC	
Frequency range	47 ~ 63Hz	
Efficiency	92%	
AC current	2.4A/400VAC	1.9A/500VAC
Inrush current	Cold start 50A	
Leakage current	<3.5mA / 530VAC	
Overload protection	105 ~ 125% rated output power type : Constant current limiting, unit will shut down o/p voltage after 3 sec., re-power on to recover	
Over voltage protection	59~66V type : Shut down o/p voltage, re-power on to recover	
Over temp. protection	110°C±5°C(TSW1) Detect on heatsink of power transistor, 85°C±5°C(TSW2) Detect on heatsink of power diode type : Shut down o/p voltage, recovers automatically after temperature goes down	
Working temperature	-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	
Temperature coefficient	±0.03%/°C (0 ~ 50°C)	
Vibration	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: compliance to ICE60068-2-6	
Safety standards	UL508, ULEN60950-1, TUV EN60950-1 Approved	
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC for 1 min.	
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC min.	
EMI conduction & radiation	Compliance to EN55022 (CISPR22) Class B	
Harmonic current	Compliance to EN61000-3-2,-3	
EMS immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A	
MTBF	122.5Khrs min. MIL-HDBK-217F (25°C)	
Dimensions	10.87x4.93x3.94 inches (276*125.2*100mm)	
Weight	7.28lbs (3.3Kg); 4pcs/ 31.3lbs (14.2Kg)/1.14CUFT	

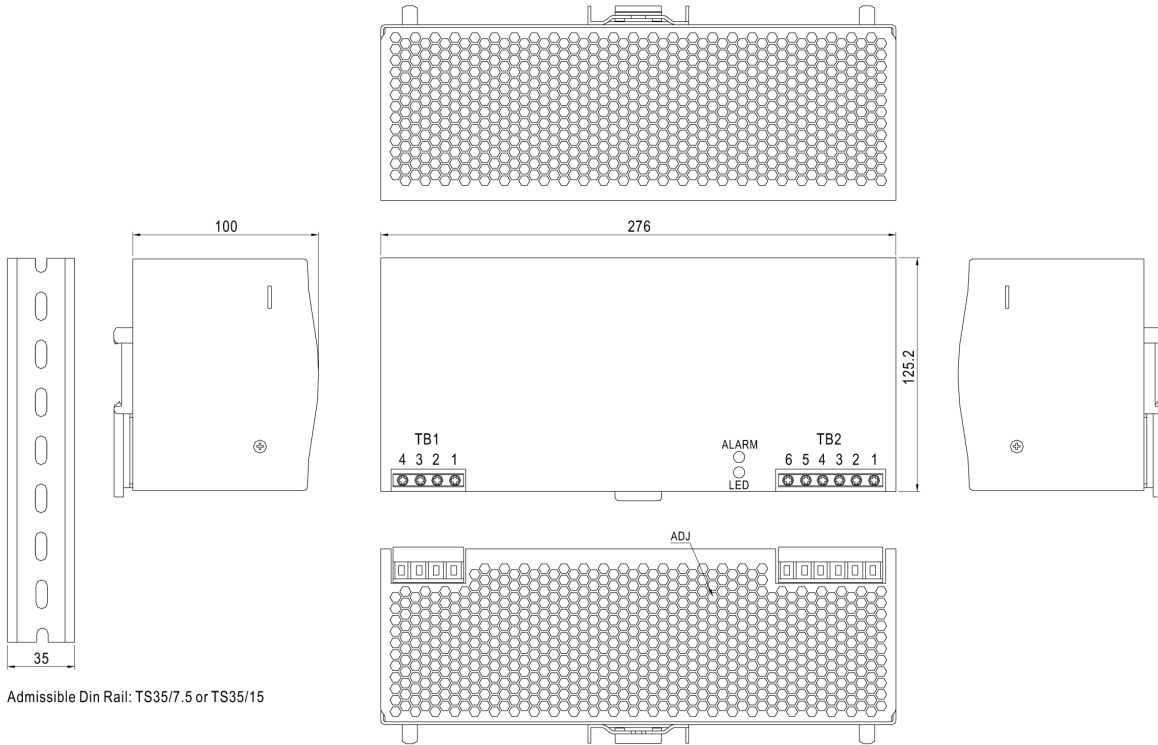
Notes:

1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
2. Tolerance includes set up tolerance, line regulation, load regulation
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor

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Dimensions (mm)

Case No.934 Unit:mm



Admissible Din Rail: TS35/7.5 or TS35/15

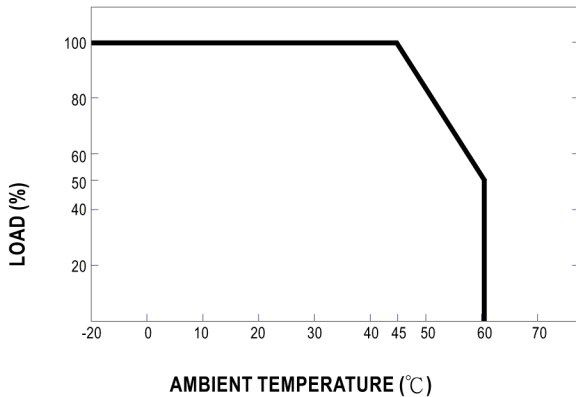
TB1 Terminal Pin. No Assignment

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

TB2 Terminal Pin. No Assignment

Pin No.	Assignment
1,2,3	DC OUTPUT +V
4,5,6	DC OUTPUT -V

Output Derating



Static Characteristics

