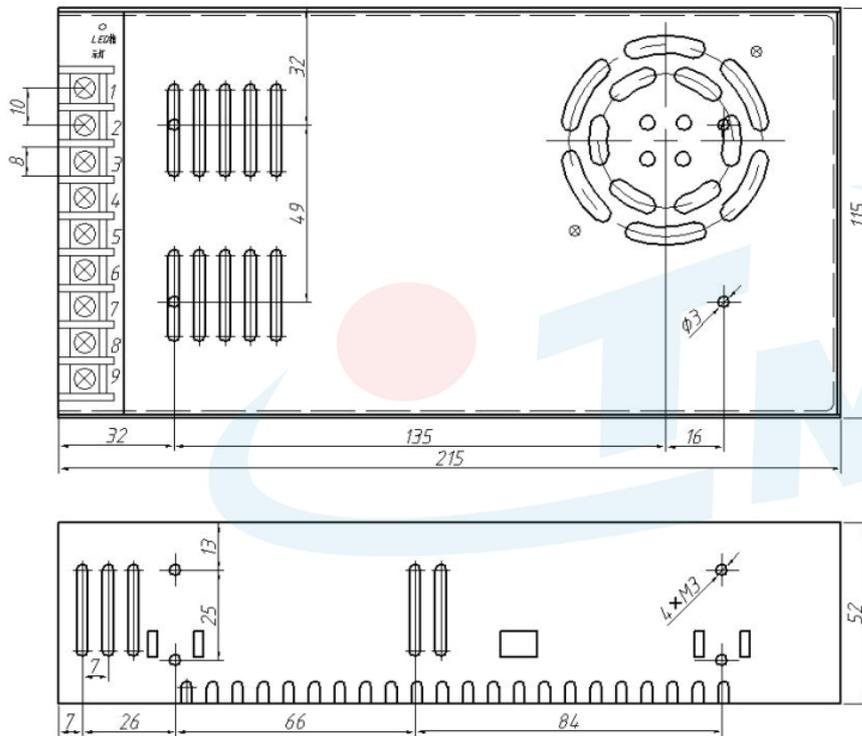


SPECIFICATION

MODE		T-500W-12V			
INPUT	FREQUENCY RANGE	90-130V/170-250VAC			
	EFFICIENCY (Typ.)	47-63HZ			
	AC CURRENT (Typ.)	70%-95%			
	INRUSH CURRENT (Typ.)	11A/115VAC 7A/230VAC			
	LEAKAGE CURRENT	COLD START: 35A/115VAC 60A/230VAC			
	FREQUENCY RANGE	<2.5mA/240VAC			
OUTPUT	DC VOLTAGE	12V	VOLTAGE TOLERANCE	±6.1%	
	RATED CURRENT	42A	LINE RUGULATION	±1.5%	
	CURRENT RANGE	0-42A	LOAD REGULATION	±3.0%	
	RATED POWER	504W	STARTING TIME	500ms/230V	
	RIPPLE & NOISE (max.)	≅ 120mV	RISING TIME	20ms/230V	30ms/115V
	VOLTAGE ADJ. RANGE	11.25-12.75V	STORAGE TIME	60ms/230V	140ms/115V
ENVIRONMENT	WORKING TEMP.	-20℃~+70℃			
	WORKING HUMIDITY	20~90%RH, non-condensing			
	TEMP. COEFFICIENT	-40℃~+85℃, 10~95%RH			
	VIBRATION	10~500HZ.5G 10min/cycle, each along X, Y, Z axes 60mins			
	STORE TEMP., HUMIDITY	-40~+85℃, 10~95%RH			
PROTECTION	OVER CURRENT	110%~150% rated output power Protection type :Hiccup mode ,recovers automatically after fault condition is removed			
	OVER VOLTAGE	12.75~13.75V Protection type : Hiccup mode ,recovers automatically after fault condition is removed			
SAFETY & EMC	CERTIFICATIONS	Compliance to FCC, CE, TUV and UL standards			
	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℃/70%RH			
	EMC EMISSION	Compliance to EN55022(CISPR22)Class B.EN61000-3-2,-3			
	EMC IMMUNITY	Compliance to EN6100-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2)			
OTHERS	MTBF	≥100Khrs. MIL-HDBK-217F(25℃)			
	DIMENSION	215*115*52mm			
	PACKAGE	0.89kg;36pcs/32.84kg/2.23CUFT			
	TEMP. RISING	≅ 30℃			
NOTE	<p>1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 23 of ambient temperature.</p> <p>2.Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Line regulation is measured from low line to high line at rated load.</p> <p>5. Constant current operation region is within 20%-100% rated output voltage. Others are 60% rated output voltage.</p> <p>6.Each output is normal within the constant current ,but the total output power must not exceed the rated output power.</p> <p>7.The power supply is considered a component which will be installed into a final equipment. The final equipment manufacturers must re-qualify that it still meets EMC Directives.</p>				

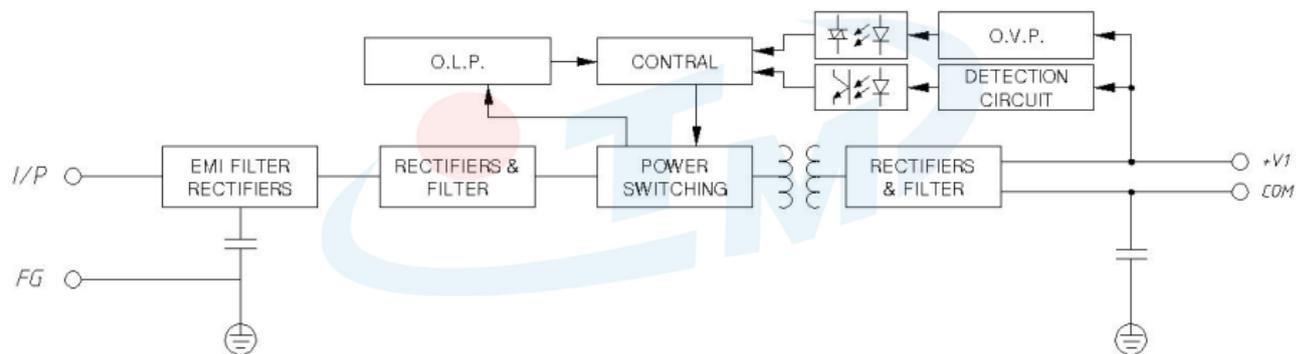
Mechanical Specification



TERMINAL Pin NO. ASSIGNMENT

Pin NO.	ASSIGNMENT
1	DC OUTPUT +48V
2	DC OUTPUT +48V
3	DC OUTPUT +48V
4	DC OUTPUT COM
5	DC OUTPUT COM
6	DC OUTPUT COM
7	FG \perp
8	AC INPUT /N
9	AC INPUT /L

Block Diagram



Characteristic Curve

* Load The Derating Curve Characteristics

* Static

