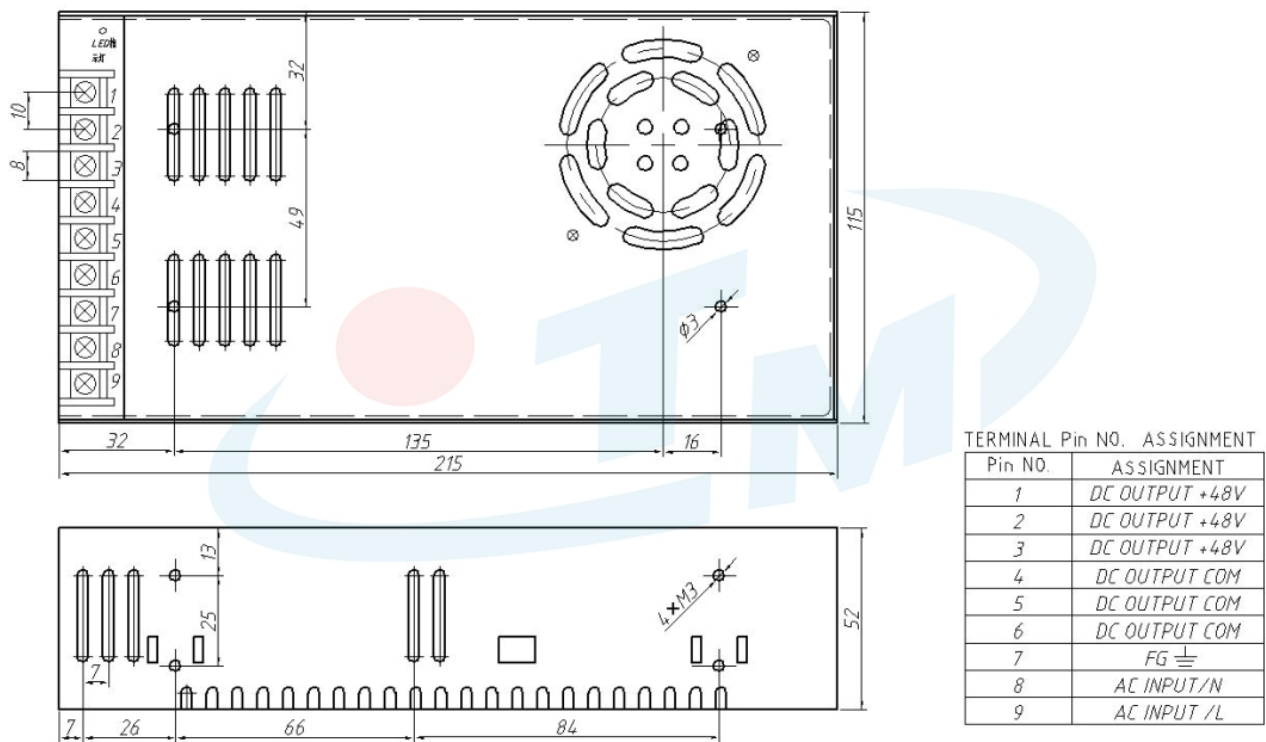


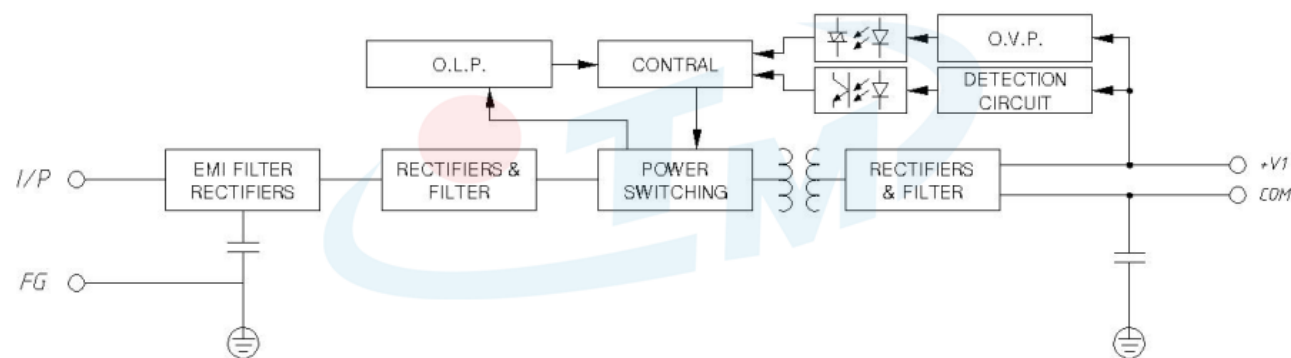
# SPECIFICATION

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	1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 23 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. Line regulation is measured from low line to high line at rated load. 5. Constant current operation region is within 20%-100% rated output voltage. Others are 60% rated output voltage. 6.Each output is normal within the constant current ,but the total output power must not exceed the rated output power. 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.				

# Mechanical Specification



# Block Diagram



## Characteristic Curve

\* Load The Derating Curve  
Characteristics

\* Static

