

# MF-350W-24

## SWITCHING POWER SUPPLY

### 350W Single Output Switching Power Supply



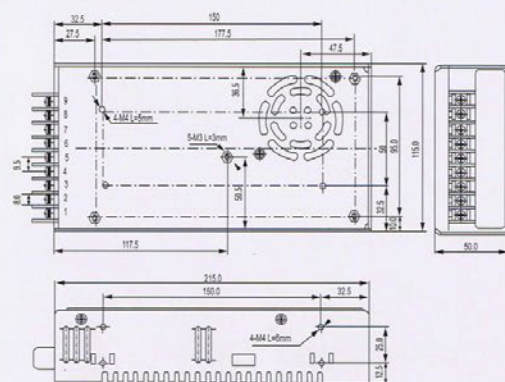
#### Features:

- Universal AC input/Full range
- Protections: Short circuit/Over load/Over voltage
- PWM control and regulated
- Forced air cooling by built in DC fan
- Built-in cooling Fan ON-OFF control
- Fixed switching frequency at 25KHz
- 100% full load burn-in test
- 1 year warranty
- Dimension: 215×115×50mm(L×W×H)

#### Technical Parameter

Model		S-350 -5	S-350 -7.5	S-350 -12	S-350 -13.5	S-350 -15	S-350 -24	S-350 -27	S-350 -48
Output	DC Voltage	5V	7.5V	12V	13.5V	15V	24V	27V	48V
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%
	Rated Current	50A	40A	29A	25.8A	23.2A	14.6A	13A	7.3A
	Current Range	0-50A	0-40A	0-29A	0-25.8A	0-23.2A	0-14.6A	0-13A	0-7.3A
	Rated Power	250W	300W	348W	348.3W	348W	350.4W	351W	350.4W
	Ripple & Noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
	DC Voltage Adj. Range	-10%,+12%	±20%	-16%,+10%	-12%,+11%	-10%,+20%	-16%,+10%	-4%,+18%	-15%,+17%
Input	Setup, Rise, Hold time	200ms,50ms,20ms at full load							
	Voltage Range	90 ~ 132 VAC/180 ~ 264VAC selected by switch, 254 ~ 370VDC; 47 ~ 63 Hz							
	AC Current	6.5A/115 VAC 4A/ 230 VAC							
	Efficiency	73%	76%	74%	79%	78%	81%	82%	83%
	Inrush Current	Cold start 50A/115V 50A/230V							
	Leakage Current	< 3.5mA/240VAC							
	Protection type	105% ~ 135% Protection type: Fold back current limiting, recovers automatically after fault condition is removed.							
Protection	Over Voltage	115%~135% Protection type: Hiccup mode, recovers automatically after fault condition is removed.							
	FAN ON/OFF Control	RT3≥55℃ FAN ON, ≤45℃ FAN OFF, ≥80℃ output shutdown (5-7.5V)							
		RT3≥65℃ FAN ON, ≤55℃ FAN OFF, ≥80℃ output shutdown (12-15V)							
Environment	Working Temp. & Humidity	-10℃ ~ +50℃, 20% ~ 90 %RH							
	Storage Temp. & Humidity	-20℃ ~ +85℃; 10% ~ 95 %RH							
	Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min, each along X.Y.Z axes							
Safety	Withstand Voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC							
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100MΩ/500VDC							
Standards	Safety Standards	Design refer to UL 1950.							
	EMC Standards	Design refer to EN55022, EN55024, EN61000							
Others	Weight	1.07Kg							
	Packing	12pcs/13.5Kg/0.98CUFT							

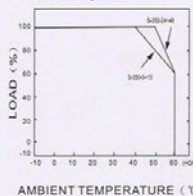
#### Outline and Installation Dimension



#### Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4-6	DC OUTPUT -V
2	AC/N	7-9	DC OUTPUT +V
3	FG		

#### Derating Curve



#### Output Derating VS Input Voltage

