



**Features :**

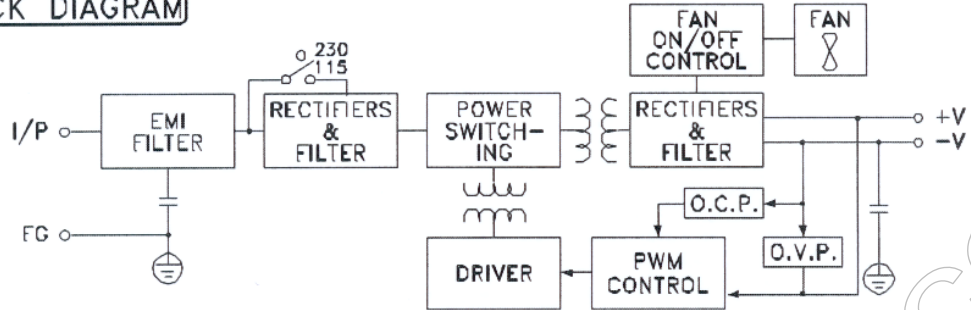
- . AC input range selected by switch
- . Protection : short circuit / over load / over temp
- . Forced air cooling by built-in DC fan
- . Cooling fan on/off auto-control
- . Fix switching frequency at 25KHz
- . Compact size, light weight
- . 100% full load burn-in test
- . Low cost

**1 year warranty**

Model	S350-5	S350-7.5	S350-12	S350-13.5	S350-15	S350-24	S350-27	S350-48
DC output voltage	5V	7.5V	12V	13.5V	15V	24V	27V	48V
Output voltage tolerance	+2%	+2%	+1%	+1%	+1%	+1%	+1%	+1%
Output rated current	50A	40A	29A	25.8A	23.2A	14.6A	13A	7.3A
Output current range	0~50	0~40	0~29	0~25.8	0~23.2	0~14.6	0~13	0~7.3
Ripple & noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
Line regulation	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%
Load regulation	+1%	+1%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%	+0.5%
DC output power	250W	300W	348W	348.3W	348W	350.4W	351W	350.4W
Efficiency	73%	76%	74%	79%	78%	81%	82%	83%
DC voltage adjustment (V)	4.5~5.6	6~9	10~13.2	12~15	13.5~18	20~26.4	26~32	41~56
Input voltage range	90~132VAC / 180~264VAC auto switch ; 47~63Hz ; 254~370 VDC							
AC current	6.5A / 115 V ; 4A 230 V							
Inrush current	25A/115V 50A/230V							
Leakage current	<3.5mA/240VAC							
Over-load protection	105~135% Type : pulsing hiccup shutdown Reset : auto-recovery							
Over-voltage protection	5.75~6.75	9.4~10.9	13.8~16.2	15.5~18.2	18~21	27.6~32.4	33.7~39.2	57.6~67.2
Fan control O.T.P.	RTH3>=55°C fan ON, <=45°C fan OFF, >=80°C output shutdown (5-7.5V) RTH3>=65°C fan ON, <=55°C fan OFF, >=80°C output shutdown (12-15V) RTH3>=70°C fan ON, <=60°C fan OFF, >=85°C output shutdown (24-48V)							
Temperature coefficient	±0.03% /°C (0°~50°C)							
Set-up, Rise, Hold-up time	200ms, 50ms, 20ms							
Vibration	10~500Hz, 2G 10min./1cycle, period for 60min. Each axes							
Withstand voltage	I/P-O/P: 3KVACVAC I/P-FG: 1.5 KVAC ; O/P-FG : 0.5 KVAC							
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG : 500 VDC /100MΩ							
Working temp. & humidity	-10°C~+50°C (refer to output derating curve) 20~90% R.H.							
Storage temp. & humidity	-20°C~+85°C, 10%~95% R.H. ( non-condensing )							
Dimensions	215 x 115 x 50 mm ( Length x Width x Height ) case 912							
Weight	1.15 Kg							
Safety standards	Design refer to UL 1950							
EMC standards	Design refer to FCC Part 15 Class A							
Notes:	-All parameters are specified at 230VAC input, rated load, 25°C & 70% R.H. ambient. - Tolerance include setup tolerance, line regulation, load regulation. - Ripple & Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1yF & 47uF capacitor. - Line regulation is measured from low line to high line at rated load. - Load regulation is measured from 0% to 100% rated load							

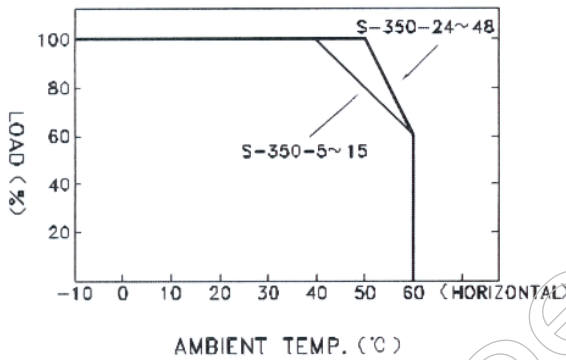


**BLOCK DIAGRAM**

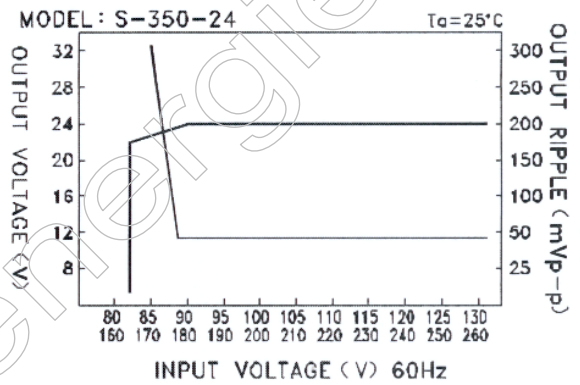


f<sub>osc</sub> : 25KHz

**OUTPUT DERATING**



**STATIC CHARACTERISTICS**



**DIMENSION (mm)**

- ☒ CASE : 912
- ☒ TERMINAL PIN NO. ASSIGNMENT
- ☒ PIN 1,2 : AC INPUT
- ☒ PIN 3 : FG
- ☒ PIN 4,5,6: DC OUTPUT -V
- ☒ PIN 7,8,9: DC OUTPUT +V

