



■ Feature:

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 second
- Small volume and light weight
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Low power dissipation
- Operating altitude up to 5000 meters (Note.6)
- LED indicator for power on
- 100% full load burn-in test
- High efficiency, long life and high reliability

## SPECIFICATION

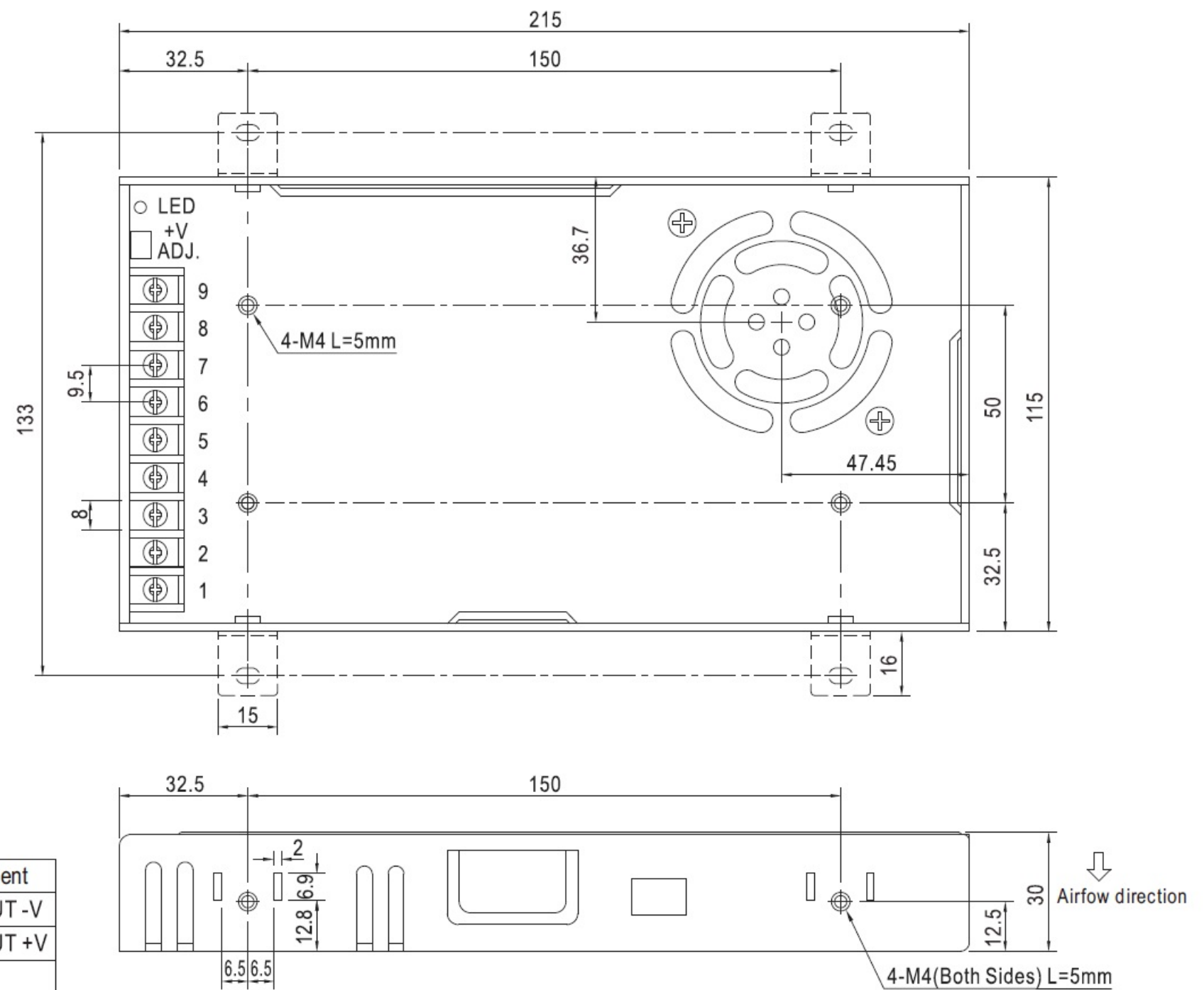


MODEL		LRS-350-5	LRS-350-12	LRS-350-15	LRS-350-24	LRS-350-36	LRS-350-48
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	36V	48V
	CURRENT RANGE	0-60A	0-29A	0-23.2A	0-14.6A	0-9.7A	0-7.3A
	RATED CURRENT	60A	29A	23.2A	14.6A	9.7A	7.3A
	RATED POWER	300W	348W	348W	350.4W	349.2W	350.4W
	RIPPLE&NOISE	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	±10%	±10%	±10%	±10%	±10%	±10%
	VOLTAGE TOLERANCE	±3%	±2%	±1%	±1%	±1%	±1%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±2%	±1%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	800ms, 50ms, 16ms/230VAC (Full load)					
INPUT	VOLTAGE RANGE	90-132VAC/180-264VAC Select by switch 240-370VDC (Withstand 300VAC surge input for 5 second)					
	FREQUENCY RANGE	47-63Hz					
	EFFICIENCY(Typ)	83%	85%	86%	88%	88%	89%
	AC CURRENT	6.8A/115V, 3.4A/230VAC					
	INRUSH CURRENT (Typ)	COLD START 55A/230VAC					
	LEAKAGE CURRENT	<2mA/240VAC					
PROTECTION	OVER LOAD	110%-140%rated output power					
		Protection type: Hiccup mode recovers automatically after fault condition is removed					
	OVER VOLTAGE	115%-135%rated output power					
		Protection type : Shut down o/p voltage, re-power on to recover					
	OVER TEMPERATURE	110°C ±10°C (RTH3 test next to Magnet ring)					
		Protection type : Shut down o/p voltage, recovers automatically after normal temperature					
FUNCTION	FAN CONTROL	RTH3 ≥50°C FAN ON ≤40°C FAN OFF					
ENVIRONMENT	WORKING TEMP	-25°C ~ +70°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20%~90%RH non-condensing					
	STORAGE TEMP. HUMIDITY	-40°C ~ +85°C; 10%~95%RH non-condensing					
	VIBRATION	10~500Hz, 3G 10min./1 cycle, 60min. each along X, Y, Z axes					
SAFETY	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC/25°C/70%RH					
	SAFETY STANDARDS	Compliance to UL60950-1, TUV EN60950-1, GB4943					
	EMC EMISSION	Compliance to EN55022(CISPR22) Class B, GB9254 Class B, EN55014, EN61000-3-2, 3					
	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2					
OTHERS	DIMENSION	215*115*30mm (L*W*H)					
	PACKING	0.76kg/00pcs/00kg/0000CBM					
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf 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. Load regulation is measured from 0% to 100% rated load.</p> <p>6. The ambient temperature derating of 5/1000m is needed for operating altitude greater than 2000m(6500ft).</p> <p>7. The power supply is considered a component which will be installed into a final equipment.</p> <p>The final equipment must be re-confirmed that it still meets EMC directives.</p>						



## Mechanical Specification

Unit :mm

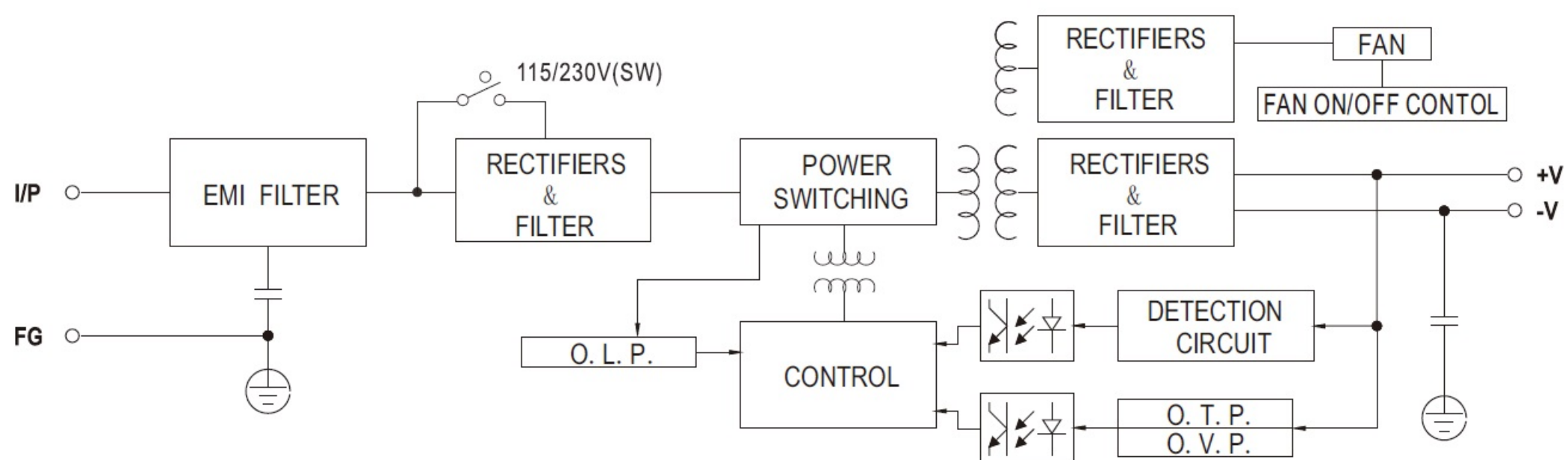


Terminal Pin NO. Assignment

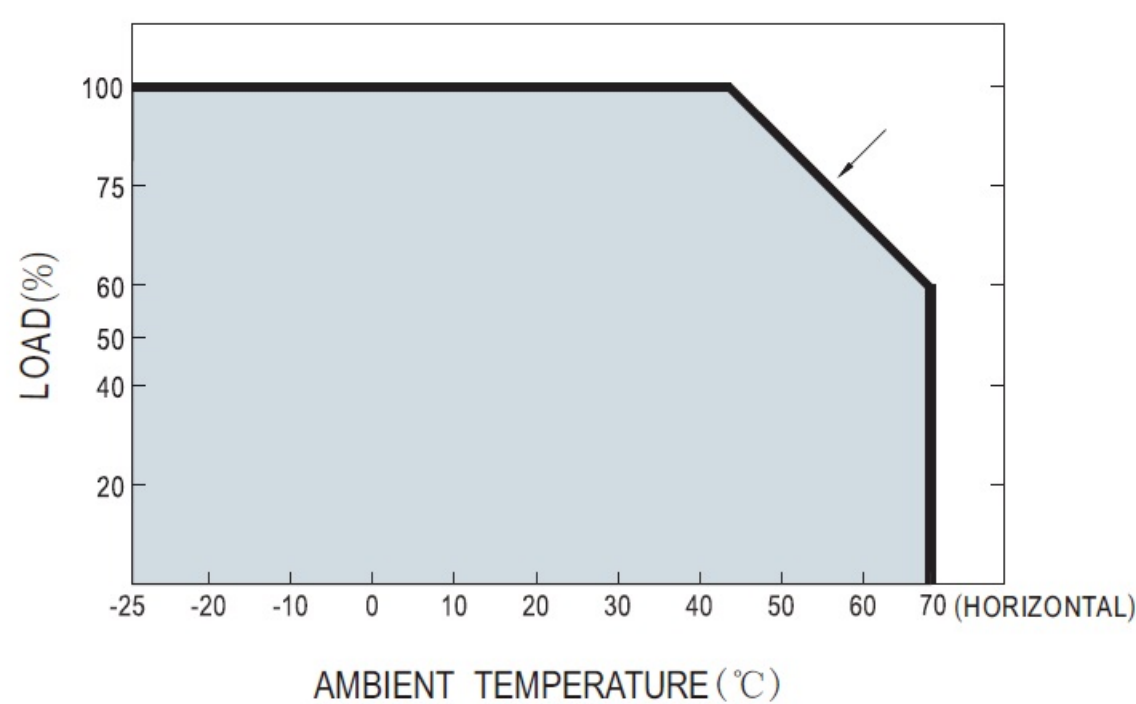
Pin NO.	Assignment	Pin NO.	Assignment
1	AC/N	4~6	DC OUTPUT -V
2	AC/L	7~9	DC OUTPUT +V
3	FG		

## Block Diagram

fosc:60KHz



## Derating Curve



## Static Characteristics

