



Size : 159*97*30mm

Features:

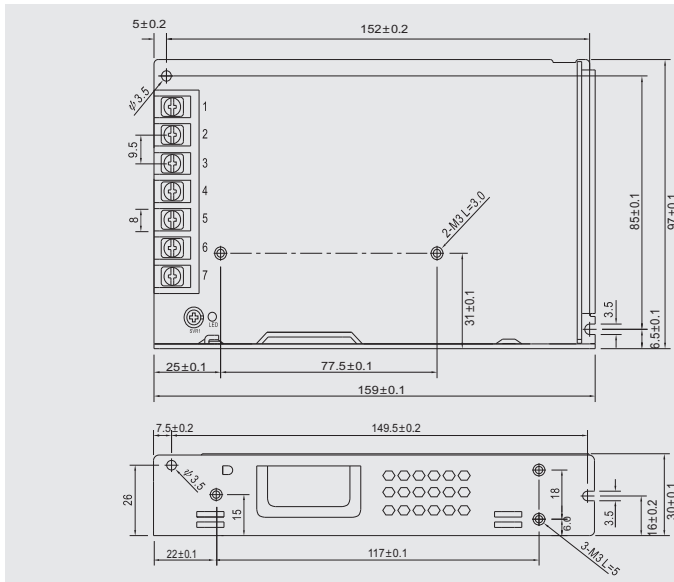
- AC input range selectable by switch
- Built-in EMI filter, tiny ripple
- Protections: short circuit/overload/over voltage
- Cooling by free air convection
- 43,000 hours of continuous operation at 20 °C
- 100% full load burn-in test
- LED indicator for power on

SPECIFICATION



MODEL		LRS-200-12	LRS-200-15	LRS-200-24	LRS-200-36	LRS-200-48
OUTPUT	DC VOLTAGE	12V	15V	24V	36V	48V
	RATED CURRENT	17A	14A	8.4A	5.6A	4.2A
	CURRENT RANGE	0 ~ 17A	0~14A	0 ~ 8.4A	0 ~ 5.6A	0 ~ 4.2A
	RATED POWER	204W	210W	201.6W	201.6W	201.6W
	RIPPLE & NOISE(max) Note.2	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	10.5 ~ 13.8V	13.5~18V	21.6 ~ 26.4V	32.4 ~ 39.6V	43.2 ~ 52.8V
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	500ms, 30ms/230VAC 500ms, 30ms/115VAC(full load)				
	HOLD UP TIME (Typ.)	40ms/230VAC 35ms/115VAC (full load)				
INPUT	VOLTAGE RANGE Note.4	85 ~ 132VAC 170 ~ 264VAC by switch 240~370VAC(switch on 230VAC)				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	87.5%	88.5%	89%	89%	90%
	AC CURRENT (Typ.)	3A/115VAC 1.7A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START :60A/230VAC				
	LEAKAGE CURRENT	<0.75mA / 240VAC				
PROTECTION	OVER LOAD	RATED POWER 110 ~ 140% Hiccup mode, recovers automatically after fault condition is removed.				
	OVER VOLTAGE	13.8 ~ 16.2V	18.75 ~ 21.75V	28.5 ~ 33.6V	41.4 ~ 48.6V	55.2 ~ 64.8V
		Protection type:Shut down o/p voltage, re-power on to recover				
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to "derating curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 5G 10min/1cycle,60min.each X、Y、Z axes				
	OVER VOLTAGE CATEGORY	III;Comply to EN61558,EN50178,EN60664-1,EN62477-1				
SAFETY & EMC (Note.5)	SAFETY STANDARDS	Comply to CE and GB4943.1				
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:1.25KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/70%RH				
	EMC EMISSION	EN61000-3-2:2014/EN61000-3-3:2013				
	EMC IMMUNITY	EN 55032:2015/EN55035:2017/60950-1				
OTHERS	MTBF	≥601K hrs MIL-HDBK-217F(25°C)				
	DIMENSION	159*97*30mm (L*W*H)				
	PACKING	0.48Kg; 30pcs/15.4Kg/0.75CUFT				
NOTE		1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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.Derating may be needed under low input voltage. Please check the derating curve for more details. 5.The power supply shall be regarded as a part of the components in the system. For all EMC tests, the test samples shall be installed on a metal iron plate with thickness of 1mm, length of 360mm * width of 360mm. The power supply shall be confirmed related to electromagnetic compatibility in combination with the terminal equipment.				

Mechanical Specification

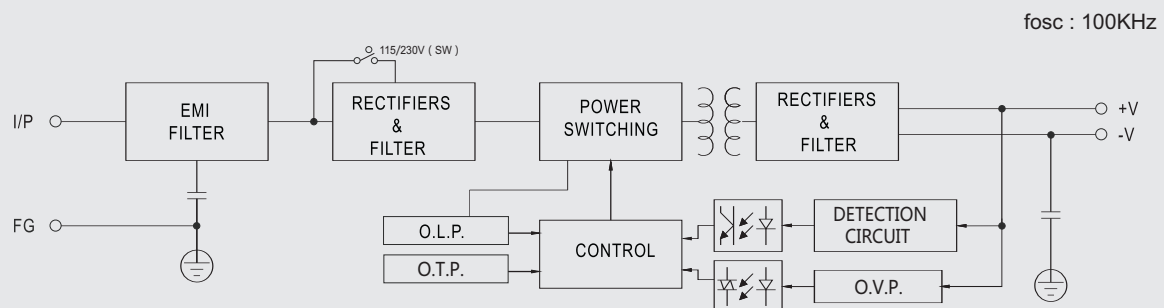


Unit:mm

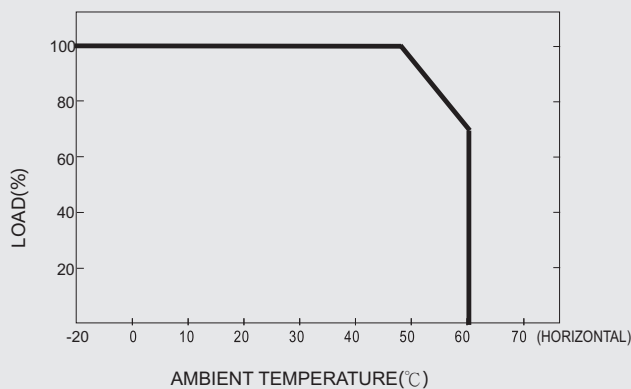
Terminal Pin No.Assignment:

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4-5	DC OUTPUT -V
2	AC/N	6-7	DC OUTPUT +V
3	FG		

Block Diagram



Derating Curve



Static Characteristic

