

Product Code: RSP-200-24

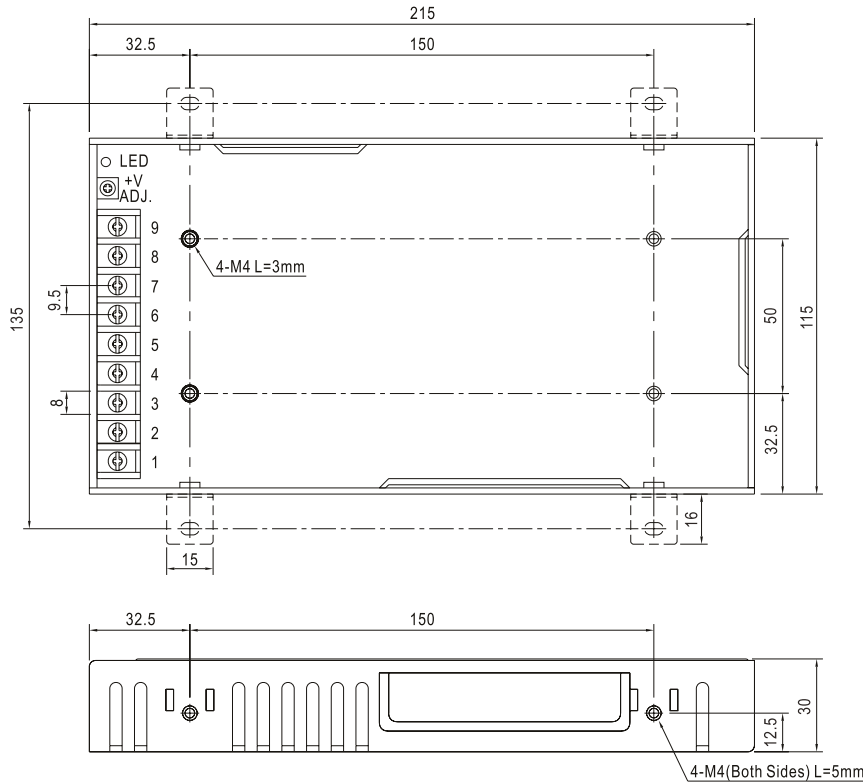
Features



- Non-Dimmable
- 200W Single Output with PFC Function
- Input Voltage: 100-240V
- Output Voltage: 24V
- 115mm x 30mm x 215mm (W x H x L)
- Short Circuit & Temperature Protection
- Air Cooling System
- LED power indicator
- 3 years warranty

MODEL		RSP-200-24
OUTPUT	DC VOLTAGE	24V
	RATED CURRENT	8.4A
	CURRENT RANGE	0 ~ 8.4A
	RATED POWER	201.6W
	RIPPLE & NOISE (max.) Note.2	150mVp-p
	VOLTAGE ADJ. RANGE	20 ~ 26.4V
	VOLTAGE TOLERANCE Note.3	± 1.0%
	LINE REGULATION	± 0.2%
	LOAD REGULATION	± 0.5%
	SETUP, RISE TIME	1500ms, 50ms/230VAC 3000ms, 50ms/115VAC at full load
	HOLD UP TIME (Typ.)	8ms at full load 230VAC /115VAC
INPUT	VOLTAGE RANGE Note.4	88 ~ 264VAC 124 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load
	EFFICIENCY (Typ.)	89.5%
	AC CURRENT (Typ.)	2.5A/115VAC 1.3A/230VAC
	INRUSH CURRENT (Typ.)	20A/115VAC 40A/230VAC
PROTECTION	LEAKAGE CURRENT	<1mA / 240VAC
	OVERLOAD	105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	27.6 ~ 32.4V Protection type : Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMP.	-30 ~ +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 ~ 45°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, CCC GB4943 approved
	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
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3, GB9254 class B, GB17625.1
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A
OTHERS	MTBF	224.5K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	215*115*30mm (L*W*H)
	PACKING	0.72Kg; 15pcs/11.8Kg/0.78CUFT
NOTE		<ol style="list-style-type: none"> 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 voltages. Please check the derating curve for more details. 5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 6. For charging related applications, please consult Mean Well for details. 7. Strongly recommended that external output capacitance should not exceed 5000uF. (Only for: RSP-200-2.5/-3.3/-4/-5/-7.5/-12/-13.5/-15)

Mechanical Specification

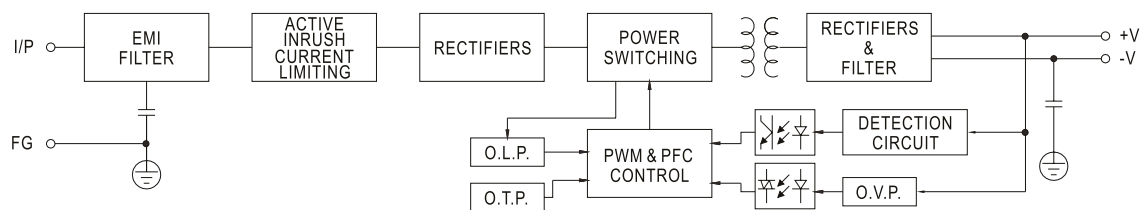


Terminal Pin No. Assignment :

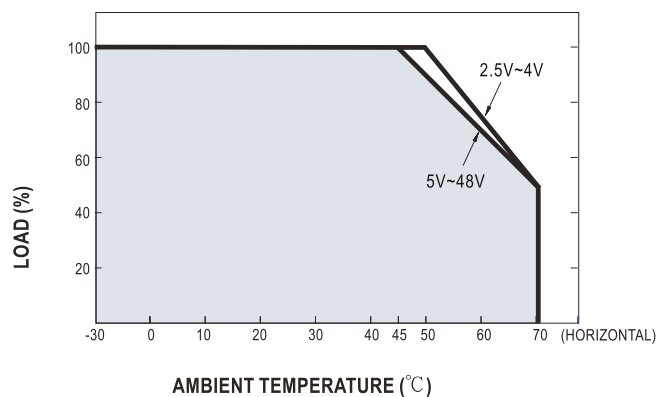
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4~6	DC OUTPUT -V
2	AC/N	7~9	DC OUTPUT +V
3	FG \perp		

Block Diagram

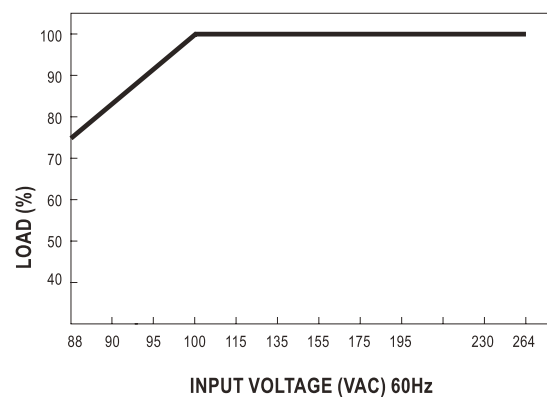
PFC fosc : 100KHz
PWM fosc : 100KHz



Derating Curve



Static Characteristics



If you require Technical support or for general enquiries, Please do not hesitate to contact one of our LED Technical experts on the contact information provided.

Telephone: 01260 540014

Opening times: Mon-Thur: 8:30am - 5:30pm / Fri: 8:30am - 5:00pm

www.ledtechnologies.co.uk

We reserve the right to change specifications without notice. E&OE

