

Dimension -

W * 199 * 99 * 30 mm 7.83 * 3.90 * 1.18 inch







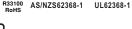




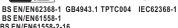


























IS13252 (except 7.5V,13.5V,48V)

Features

- · Universal AC input / Full range
- · Built-in active PFC function
- · High efficiency up to 90%
- · Cooling by free air convection
- · Built-in remote ON-OFF control
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- · LED indicator for power on
- Operating altitude up to 5000 meters (see OVER VOLTAGE CATEGORY)
- 3 years warranty

Applications

- · Factory control or automation apparatus
- Test and measurement instrument
- · Laser related machine
- · Burn-in facility
- · RF application

■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

RSP-150 is a 150W single output enclosed type AC/DC power supply. This series operates for 85~264VAC input voltage and offers the models with the DC output mostly demanded from the industry. Each model is cooled by free air convection, working for the temperature up to 70°C.

Model Encoding / Order Information



File Name: RSP-150-SPEC 2025-09-22



SPECIFICATION

| MODEL | | RSP-150-3.3 | RSP-150-5 | RSP-150-7.5 | RSP-150-12 | RSP-150-13.5 | RSP-150-15 | RSP-150-24 | RSP-150-27 | RSP-150-48 | |
|-----------------------------|--|---|-----------|--------------|------------|--------------|------------|------------|--------------|--------------|--|
| | DC VOLTAGE | 3.3V | 5V | 7.5V | 12V | 13.5V | 15V | 24V | 27V | 48V | |
| ОИТРИТ | RATED CURRENT | 30A | 30A | 20A | 12.5A | 11.2A | 10A | 6.3A | 5.6A | 3.2A | |
| | CURRENT RANGE | 0 ~ 30A | 0 ~ 30A | 0 ~ 20A | 0 ~ 12.5A | 0 ~ 11.2A | 0 ~ 10A | 0 ~ 6.3A | 0 ~ 5.6A | 0 ~ 3.2A | |
| | RATED POWER | 99W | 150W | 150W | 150W | 151.2W | 150W | 151.2W | 151.2W | 153.6W | |
| | RIPPLE & NOISE (max.) Note.2 | 100mVp-p | 100mVp-p | 100mVp-p | 100mVp-p | 100mVp-p | 100mVp-p | 150mVp-p | 150mVp-p | 250mVp-p | |
| | VOLTAGE ADJ. RANGE | 3.14 ~ 3.63V | | 7.13 ~ 8.25V | | 12.8 ~ 14.9V | | | 25.7 ~ 29.7V | 45.6 ~ 52.8V | |
| | VOLTAGE TOLERANCE Note.3 | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±1.0% | ±1.0% | ±1.0% | |
| | LINE REGULATION | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | |
| | LOAD REGULATION | ±1.0% | ±1.0% | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | |
| | SETUP, RISE TIME | 600ms, 30ms at full load | | | | | | | | | |
| | HOLD UP TIME (Typ.) | 16ms at full load | | | | | | | | | |
| INPUT | VOLTAGE RANGE Note.5 | 85 ~ 264VAC 120 ~ 370VDC | | | | | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | | | | | |
| | POWER FACTOR (Typ.) | PF>0.93/230VAC PF>0.98/115VAC at full load | | | | | | | | | |
| | EFFICIENCY (Typ.) | 81.5% | 87% | 88.5% | 89% | 87.5% | 88.5% | 89% | 89.5% | 90% | |
| | AC CURRENT (Typ.) | 1.6A/115VAC 0.8A/230VAC | | | | | | | | | |
| | INRUSH CURRENT (Typ.) | COLD START 45A/230VAC | | | | | | | | | |
| | LEAKAGE CURRENT | <2mA / 240VAC | | | | | | | | | |
| PROTECTION | OVERLOAD | 105 ~ 135% rated output power | | | | | | | | | |
| | | Protection type: Constant current limiting, recovers automatically after fault condition is removed | | | | | | | | | |
| | OVER VOLTAGE | 3.63 ~ 4.46V 5.5 ~ 6.75V 8.25 ~ 10.13V 13.2 ~ 16.2V 14.85 ~ 18.2V 16.5 ~ 20.25V 26.4 ~ 32.4V 29.7 ~ 36.45V 52.8 ~ 64.8V | | | | | | | | | |
| | | Protection type: Shut down o/p voltage, re-power on to recover | | | | | | | | | |
| | OVER TEMPERATURE | Protection type: Shut down o/p voltage, recovers automatically after temperature goes down | | | | | | | | | |
| FUNCTION | DEMOTE CONTROL | CN1: < 0~0.8VDC POWER ON , 4~10VDC POWER OFF | | | | | | | | | |
| FUNCTION | REMOTE CONTROL | | | | | | | | | | |
| 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 non-condensing | | | | | | | | | |
| | TEMP. COEFFICIENT | ±0.05%/°C (0 ~ 50°C) | | | | | | | | | |
| | OVER VOLTAGE CATEGORY | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes | | | | | | | | | |
| | | III; According to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters II; According to UL/IEC/EN 62368; altitude up to 5000 meters | | | | | | | | | |
| SAFETY & EMC (Note 4) | SAFETY STANDARDS | UL62368-1, TUV BS EN/EN62368-1, BS EN/EN61558-1, BS EN/EN61558-2-16, EAC TP TC 004, CCC GB4943.1, | | | | | | | | | |
| | | BSMI CNS15598-1, AS/NZS 62368.1, IS13252(Part1)/IEC60950-1(except for 7.5V,13.5V,48V)approved | | | | | | | | | |
| | WITHSTAND VOLTAGE | I/P-O/P:4KVAC 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 BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, GB9254 Class B, GB17625.1,CNS15936 Class B | | | | | | | | | |
| | EMC IMMUNITY | Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020 | | | | | | | | | |
| OTHERS | MTBF | 2253.9K hrs min. Telcordia SR-332 (Bellcore) ; 290.7K hrs min. MIL-HDBK-217F (25°C) | | | | | | | | | |
| | DIMENSION | 199*99*30mm (L*W*H) | | | | | | | | | |
| | PACKING | 0.6Kg; 24pcs/15.4Kg/0.89CUFT | | | | | | | | | |
| NOTE | All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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 https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) Derating may be needed under low input voltages. Please check the derating curve for more details. Strongly recommended that external output capacitance should not exceed 5000uF. (Only for: RSP-150-3.3/-5/-7.5/-12) The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx | | | | | | | | | | |



