



■ Features :

- 'Universal AC input / Full range
- *Protections: Short circuit / Overload / Over voltage
- *Cooling by free air convection
- *LED indicator for power on
- *100% full load burn-in test
- *All using 105°C long life electrolytic capacitors
- *Withstand 300VAC surge input for 5 second
- *High operating temperature up to 70°C
- *Withstand 5G vibration test
- 'High efficiency, long life and high reliability
- '3 years warranty

SPECIFICATION



| MODEL | | RT-85A | | | RT-85B | | | RT-85C | | | RT-85D | | | |
|-----------------|-------------------------------|---|--|-------------------------------|---------|-------------------------------|--------------|-----------------------------|------------------|---------|---------|----------|--------|--|
| | OUTPUT NUMBER | CH1 | CH2 | CH3 | CH1 | CH2 | CH3 | CH1 | CH2 | CH3 | CH1 | CH2 | CH3 | |
| ОИТРИТ | DC VOLTAGE | 5V | 12V | -5V | 5V | 12V | -12V | 5V | 15V | -15V | 5V | 24V | 12V | |
| | RATED CURRENT | 8A | 3.5A | 0.5A | 8A | 3.5A | 0.5A | 7A | 3A | 0.5A | 6A | 2A | 1A | |
| | CURRENT RANGE Note.3 | 0~ 10A | 0 ~ 4A | 0 ~ 1A | 0 ~ 10A | 0 ~ 4A | 0 ~ 1A | 0 ~ 10A | 0 ~ 4A | 0 ~ 1A | 0 ~ 10A | 0 ~ 2.5A | 0 ~ 1A | |
| | RATED POWER Note.6 | 84.5W | | 88W | | 87.5W | | 90W | | | | | | |
| | RIPPLE & NOISE (max.) Note.2 | 80mVp-p 120mVp-p 100mVp-p | | 80mVp-p 120mVp-p 120mVp-p | | 80mVp-p 120mVp-p 120mVp-p | | 80mVp-p 150mVp-p 120mVp | | 120mVp- | | | | |
| | VOLTAGE ADJ. RANGE | CH1: 4.75 ~ 5.5V | | CH1: 4.75 ~ 5.5V | | CH1: 4.75 ~ 5.5V | | | CH1: 4.75 ~ 5.5V | | | | | |
| | VOLTAGE TOLERANCE Note.3 | ±2.0% | ±5.0% | ±6.0% | ±2.0% | ±5.0% | ±6.0% | ±2.0% | +3,-7% | ±6.0% | ±2.0% | ±5.0% | ±6.0% | |
| | LINE REGULATION Note.4 | ±0.5% | ±1.0% | ±1.0% | ±0.5% | ±1.0% | ±1.0% | ±0.5% | ±1.0% | ±1.0% | ±0.5% | ±1.0% | ±1.0% | |
| | LOAD REGULATION Note.5 | ±1.0% | ±3.0% | ±6.0% | ±1.0% | ±3.0% | ±6.0% | ±1.0% | ±3.0% | ±6.0% | ±1.0% | ±3.0% | ±6.0% | |
| | SETUP, RISE TIME | 500ms, 20 | 500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load | | | | | | | | | | | |
| | HOLD UP TIME (Typ.) | 100ms/230VAC 18ms/115VAC at full load | | | | | | | | | | | | |
| INPUT | VOLTAGE RANGE | 88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage) | | | | | | | | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | 47 ~ 63Hz | | | | | | | | | | | |
| | EFFICIENCY (Typ.) | 76% | | | 76% | 76% | | | 77% | | | 79% | | |
| | AC CURRENT (Typ.) | 2.5A/115\ | /AC 1 | .5A/230VA | С | | | | | | | | | |
| | INRUSH CURRENT (Typ.) | COLD START 50A/230VAC | | | | | | | | | | | | |
| | LEAKAGE CURRENT | <2mA/240VAC | | | | | | | | | | | | |
| PROTECTION | OVERLOAD | 110 ~ 150% rated output power | | | | | | | | | | | | |
| | | Protection type: Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | | | | | |
| | OVER VOLTAGE | CH1: 5.75 ~ 6.75V | | | | | | | | | | | | |
| | OVER VOLIAGE | Protection type: Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | | | | | |
| ENVIRONMENT | WORKING TEMP. | | 25 ~ +70°C (Refer to "Derating Curve") | | | | | | | | | | | |
| | WORKING HUMIDITY | 20 ~ 90% | 20 ~ 90% RH non-condensing | | | | | | | | | | | |
| | STORAGE TEMP., HUMIDITY | | °C, 10 ~ 95 | | | | | | | | | | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0 ~ 50°C)on +5V output | | | | | | | | | | | | |
| | VIBRATION | 10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | | | | | | | | | | |
| | SAFETY STANDARDS | UL62368-1, TUV EN62368-1, EAC TP TC 004 approved | | | | | | | | | | | | |
| SAFETY & | WITHSTAND VOLTAGE | I/P-O/P:3KVAC I/P-FG:2.0KVAC O/P-FG:0.5KVAC | | | | | | | | | | | | |
| EMC (Note 7) | ISOLATION RESISTANCE | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH | | | | | | | | | | | | |
| | EMC EMISSION | | | • | | • | 0-3-2,-3, EA | | | | | | | |
| | EMC IMMUNITY | | Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020 | | | | | | | | | | | |
| OTHERS | MTBF | | 215Khrs min. MIL-HDBK-217F (25°C) | | | | | | | | | | | |
| | DIMENSION | | 159*97*38mm (L*W*H) | | | | | | | | | | | |
| | PACKING | _ | pcs/15.4Kg | | | | | | | | | | | |
| | 1. All parameters NOT special | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. | | | | | | | | | | | | |

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 0.1uf & 47uf parallel capacitor.
- 3. Tolerance: includes set up tolerance, line regulation and load regulation. (In order to meet tolerance, it is recommended that CH1 load > 20% rated current for A, B type and CH1 load > 10% rated current for C,D type.)
- 4. Line regulation is measured from low line to high line at rated load.
- 5. Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load.
- 6. Each output can work within current range. But total output power can't exceed rated output power.
- 7. 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)
- 8. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.
- 9. 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

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