



■ Features :

- Constant current mode power supply
- Universal AC input / Full range
- Withstand 300VAC Surge input for 5 seconds
- Protections: Short circuit / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- IP30 design
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- Low cost / High reliability
- 2 years warranty



(only for APC-35-700)



(only for APC-35-1050)



(except for APC-35-350, APC-35-500)

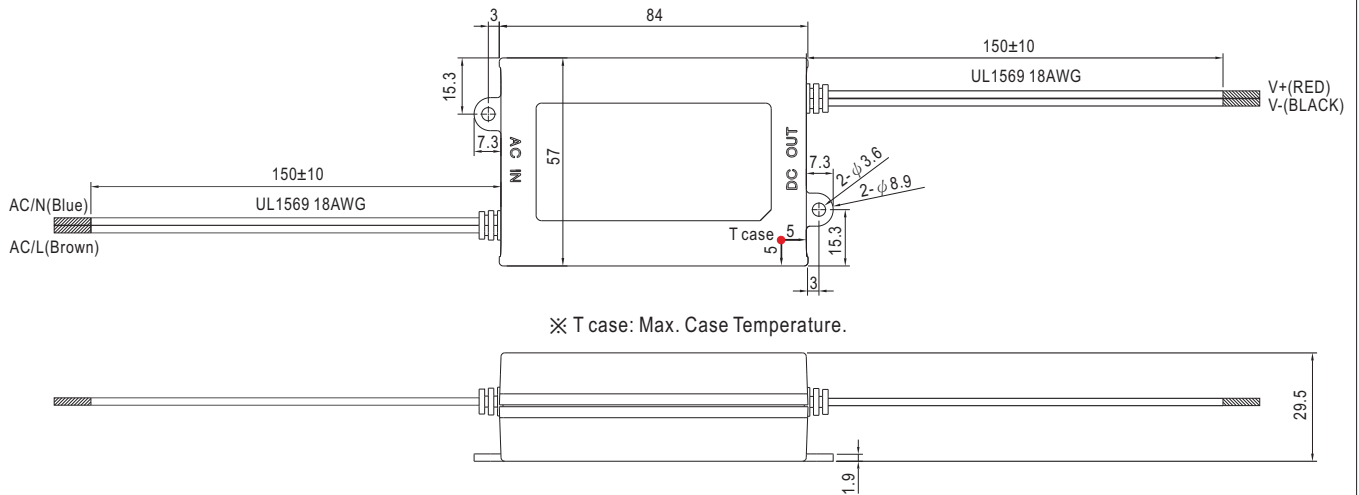


SPECIFICATION

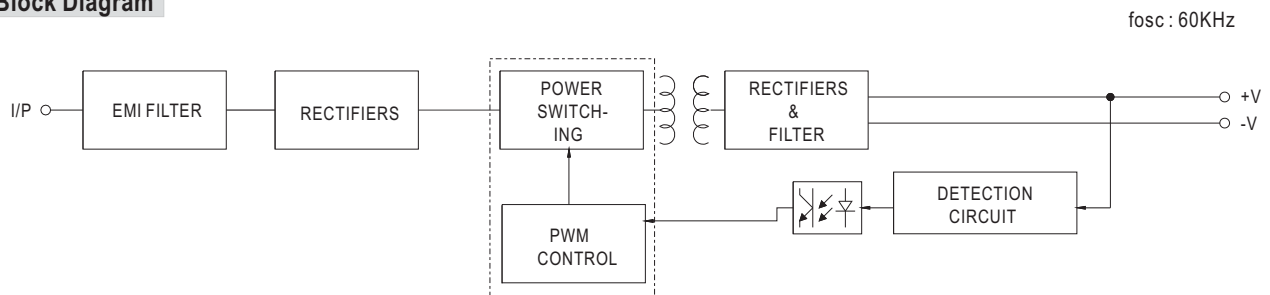
| MODEL | APC-35-350 | APC-35-500 | APC-35-700 | APC-35-1050 |
|-----------------------|--|--|--|--|
| OUTPUT | RATED CURRENT | 350mA | 500mA | 700mA |
| | DC VOLTAGE RANGE | 28~100V | 25~70V | 15~50V |
| | RATED POWER | 35W | 35W | 35W |
| | RIPPLE & NOISE (max.) Note.2 | 350mVp-p | 350mVp-p | 350mVp-p |
| | VOLTAGE TOLERANCE Note.3 | ±5.0% | ±5.0% | ±5.0% |
| | CURRENT ACCURACY | ±8.0% | ±8.0% | ±8.0% |
| | LINE REGULATION | ±1.0% | ±1.0% | ±1.0% |
| | LOAD REGULATION | ±3.0% | ±3.0% | ±3.0% |
| | SETUP, RISE TIME | 1500ms, 40ms / 230VAC | 1500ms, 40ms / 115VAC at full load | 1500ms, 40ms / 115VAC at full load |
| INPUT | HOLD UP TIME (Typ.) | 20ms/230VAC | 12ms/115VAC at full load | 12ms/115VAC at full load |
| | VOLTAGE RANGE Note.4 | 90 ~ 264VAC | 127 ~ 370VDC | 127 ~ 370VDC |
| | FREQUENCY RANGE | 47 ~ 63Hz | 47 ~ 63Hz | 47 ~ 63Hz |
| | EFFICIENCY(Typ.) | 84% | 84% | 84% |
| | AC CURRENT | 0.5A/230VAC; 0.75A/115VAC | 0.5A/230VAC; 0.75A/115VAC | 0.5A/230VAC; 0.75A/115VAC |
| | INRUSH CURRENT(Typ.) | COLD START 45A(twidth=490μs measured at 50% Ipeak) at 230VAC | COLD START 45A(twidth=490μs measured at 50% Ipeak) at 230VAC | COLD START 45A(twidth=490μs measured at 50% Ipeak) at 230VAC |
| | MAX. No. of PSUs on 16A CIRCUIT BREAKER | 5 units (circuit breaker of type B) / 9 units (circuit breaker of type C) at 230VAC | 5 units (circuit breaker of type B) / 9 units (circuit breaker of type C) at 230VAC | 5 units (circuit breaker of type B) / 9 units (circuit breaker of type C) at 230VAC |
| PROTECTION | LEAKAGE CURRENT | 0.25mA / 240VAC | 0.25mA / 240VAC | 0.25mA / 240VAC |
| | OVER VOLTAGE | 110 ~ 130V | 77 ~ 91V | 55 ~ 65V |
| ENVIRONMENT | WORKING TEMP. | -30 ~ 70°C (Refer to "Derating Curve") | -30 ~ 70°C (Refer to "Derating Curve") | -30 ~ 70°C (Refer to "Derating Curve") |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing | 20 ~ 90% RH non-condensing | 20 ~ 90% RH non-condensing |
| | STORAGE TEMP., HUMIDITY | -40 ~ +80°C, 10 ~ 95% RH | -40 ~ +80°C, 10 ~ 95% RH | -40 ~ +80°C, 10 ~ 95% RH |
| | TEMP. COEFFICIENT | ±0.2%/°C (0 ~ 50°C) | ±0.2%/°C (0 ~ 50°C) | ±0.2%/°C (0 ~ 50°C) |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes |
| | SAFETY STANDARDS | UL8750 (only for APC-35-700&1050), CSA-C22.2 No. 250.0-13 (only for APC-35-1050) approved; design refer to EN60950-1 | UL8750 (only for APC-35-700&1050), CSA-C22.2 No. 250.0-13 (only for APC-35-1050) approved; design refer to EN60950-1 | UL8750 (only for APC-35-700&1050), CSA-C22.2 No. 250.0-13 (only for APC-35-1050) approved; design refer to EN60950-1 |
| SAFETY & EMC (Note 5) | WITHSTAND VOLTAGE | I/P-O/P:3KVAC | I/P-O/P:3KVAC | I/P-O/P:3KVAC |
| | ISOLATION RESISTANCE | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH |
| | EMC EMISSION | Compliance to EN55022, EN61000-3-2 Class A, EN61000-3-3 | Compliance to EN55022, EN61000-3-2 Class A, EN61000-3-3 | Compliance to EN55022, EN61000-3-2 Class A, EN61000-3-3 |
| | EMC IMMUNITY | Compliance to EN55024, EN61000-4-2, 3, 4, 5, 6, 8, 11; light industry level (surge 2KV), criteria A | Compliance to EN55024, EN61000-4-2, 3, 4, 5, 6, 8, 11; light industry level (surge 2KV), criteria A | Compliance to EN55024, EN61000-4-2, 3, 4, 5, 6, 8, 11; light industry level (surge 2KV), criteria A |
| OTHERS | MTBF | 518.9K hrs min. MIL-HDBK-217F (25°C) | 518.9K hrs min. MIL-HDBK-217F (25°C) | 518.9K hrs min. MIL-HDBK-217F (25°C) |
| | DIMENSION | 84*57*29.5(L*W*H) | 84*57*29.5(L*W*H) | 84*57*29.5(L*W*H) |
| | PACKING | 0.18Kg; 72pcs/14Kg/0.92CUFT | 0.18Kg; 72pcs/14Kg/0.92CUFT | 0.18Kg; 72pcs/14Kg/0.92CUFT |
| 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 & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Derating may be needed under low input voltage. Please check the static characteristic for more details.</p> <p>5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</p> <p>6. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.</p> | | | |

Mechanical Specification

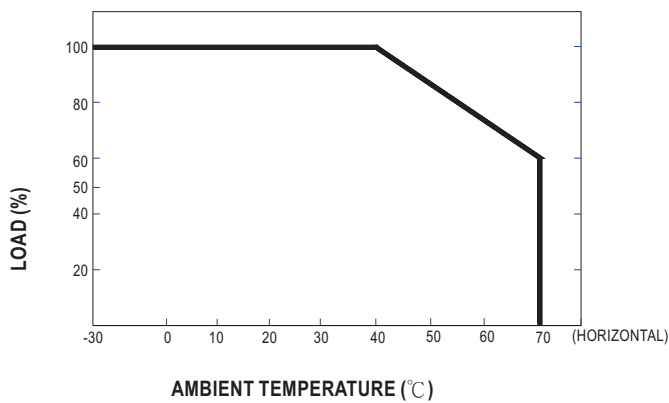
Case No.PCD16A Unit:mm



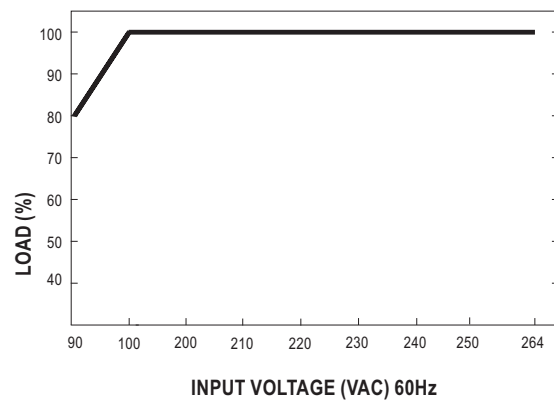
Block Diagram



Derating Curve



Static Characteristics



AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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