# 35W Single Output Switching Power Supply

# APC-35 series



■ 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
- IP42 design
- 100% full load burn-in test
- Display devices for decorative & advertising accessories (Note.6)
- Low cost / High reliability
- 2 years warranty

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■ GTIN CODE

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

## SPECIFICATION

IP42 IS 15885(Part 2/Sec13) (only for APC-35-700&1050) LPS (only for APC-35-700&1050) ( only for APC-35-700) c US (only for APC-35-1050)

| MODEL | | APC-35-350 | APC-35-500 | APC-35-700 | APC-35-1050 |
|---|---|---|---|---|---|
| OUTPUT | RATED CURRENT | 350mA | 500mA | 700mA | 1050mA |
| | DC VOLTAGE RANGE | 28~100V | 25~70V | 15~50V | 11~33V |
| | RATED POWER | 35W | 35W | 35W | 34.7W |
| | CURRENT RIPPLE | 5.0% | | | |
| | CURRENT ACCURACY | ±8.0% | | | |
| | SETUP, RISE TIME | 1500ms, 40ms / 230VAC 1500ms, 40ms / 115VAC at full load | | | |
| | HOLD UP TIME (Typ.) | 20ms/230VAC 12ms/115VAC at full load | | | |
| INPUT | VOLTAGE RANGE Note.2 | 90 ~ 264VAC 127 ~ 370VDC | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | |
| | EFFICIENCY(Typ.) | 84% | 84% | 84% | 84% |
| | AC CURRENT | 0.5A/230VAC;0.75A/115VAC | | | |
| | INRUSH CURRENT(Typ.) | 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 | | | |
| | LEAKAGE CURRENT | 0.25mA / 240VAC | | | |
| PROTECTION | OVER VOLTAGE | 110 ~ 130V | 77 ~ 91V | 55 ~ 65V | 36 ~ 43V |
| | | Protection type : Shut down o/p voltage, re-power on to recover | | | |
| ENVIRONMENT | WORKING TEMP. | -30 ~ 70℃ (Refer to "Derating Curve") | | | |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing | | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +80℃, 10 ~ 95% RH | | | |
| | TEMP. COEFFICIENT | ±0.2%/℃ (0 ~ 50℃) | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | |
| SAFETY & EMC (Note 5) | SAFETY STANDARDS | UL8750 (only for APC-35-700&1050), CSA-C22.2 No. 250.0-13 (only for APC-35-1050), BIS IS15885(only for APC-35-700&1050), EAC TP TC 004,IP42, BS EN/EN 62368-1 approved | | | |
| | WITHSTAND VOLTAGE | I/P-O/P:3KVAC | | | |
| | ISOLATION RESISTANCE | I/P-O/P:>100M Ohms / 500VDC / 25℃/ 70% RH | | | |
| | EMC EMISSION | Compliance to BS EN/EN55032,BS EN/EN61000-3-2 Class A,BS EN/EN61000-3-3, EAC TP TC 020 | | | |
| | EMC IMMUNITY | Compliance to BS EN/EN55035,BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020 | | | |
| OTHERS | MTBF | 4955.9K hrs min. Telcordia SR-332 (Bellcore) ; 550.4K hrs min. MIL-HDBK-217F (25℃) | | | |
| | DIMENSION | 84*57*29.5(L*W*H) | | | |
| | PACKING | 0.18Kg; 72pcs/14Kg/0.92CUFT | | | |

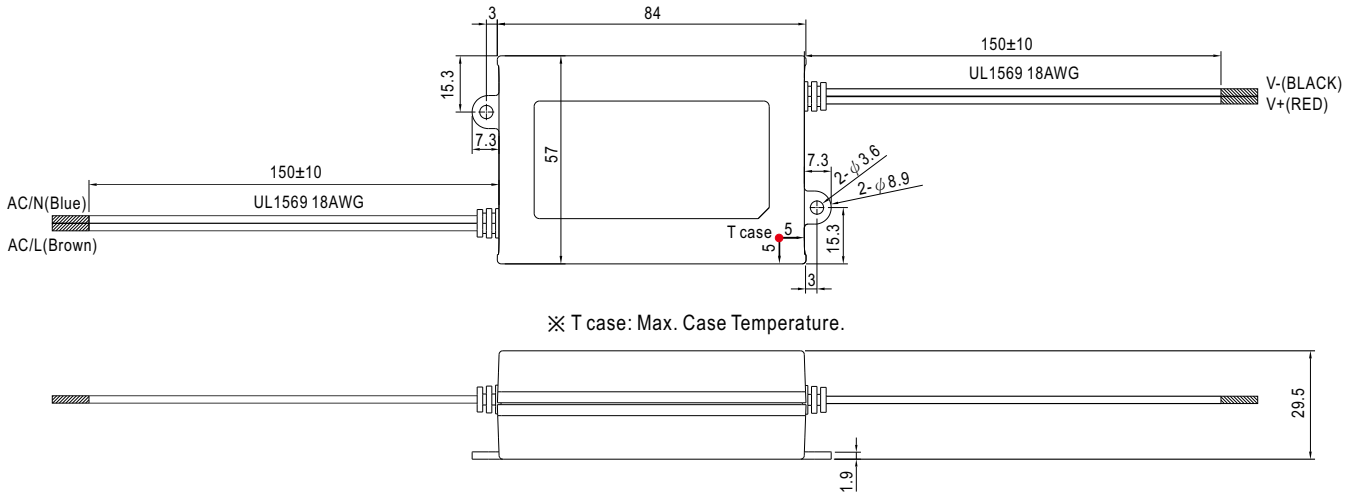
NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Derating may be needed under low input voltage. Please check the static characteristic for more details.
3. 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. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)
4. 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).
5. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf
6. This product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.)

※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

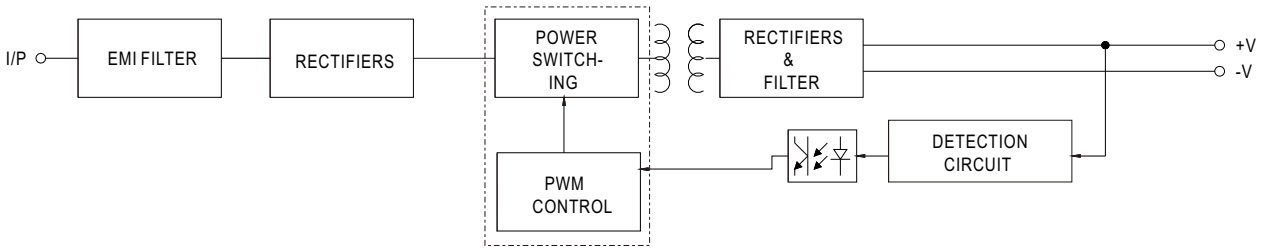
## ■ Mechanical Specification

Case No.PCD16A Unit:mm Tolerance:±1

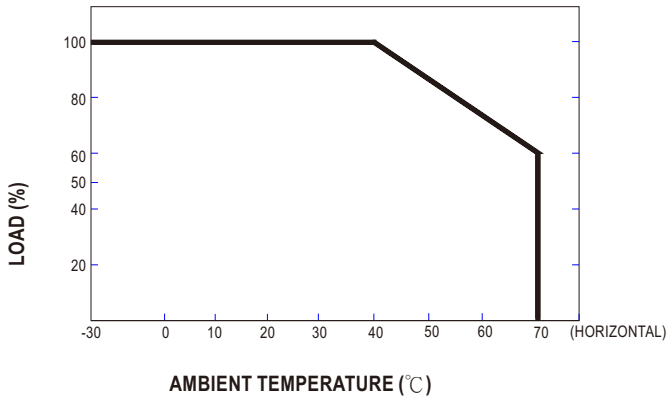



## ■ Block Diagram

fosc : 60KHz




## ■ Derating Curve




## ■ Static Characteristics

