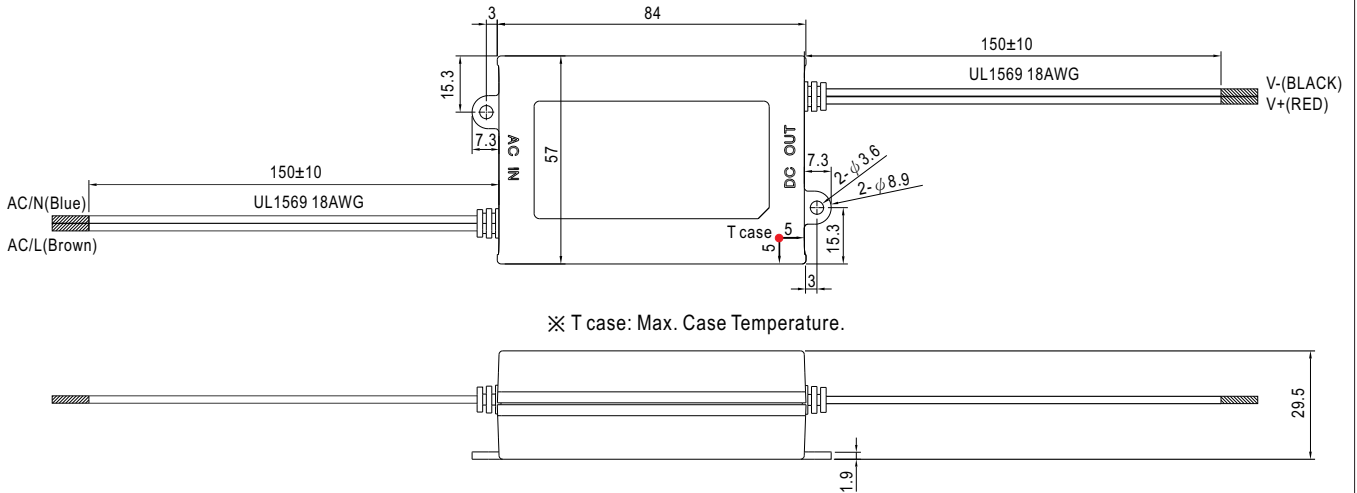■ Features :
- Constant current mode power supply
- Universal AC input / Full range
- Withstand 300VAC Surge input for 5 seconds
- Protections:Short circuit / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- IP42 design
- 100% full load burn-in test
- Suitable for LED related fixture or appliance
  (such as LED Decoration or Advertisement devices)
- Low cost / High reliability
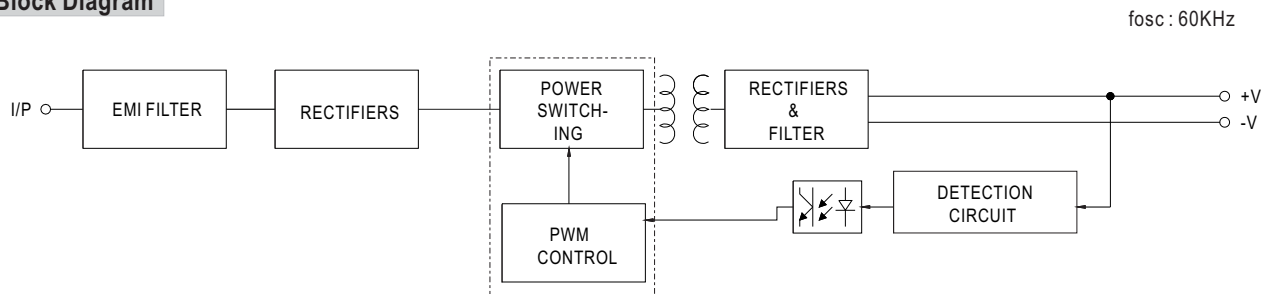- 2 years warranty

SPECIFICATION

IP42 □ LPS (except for APC-35-350,APC-35-500)

IS 15885(Part 2/Sec13) R-41027766

(only for APC-35-700) cᴿᵁus (only for APC-35-1050)

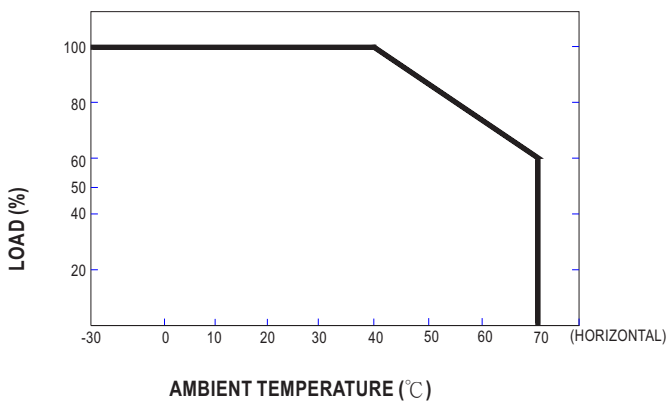| MODEL		APC-35-350	APC-35-500	APC-35-700	APC-35-1050
OUTPUT	RATED CURRENT	350mA	500mA	700mA	1050mA
	DC VOLTAGE RANGE	28~100V	25~70V	15~50V	11~33V
	RATED POWER	35W	35W	35W	34.7W
	RIPPLE & NOISE (max.) Note.2	350mVp-p	350mVp-p	350mVp-p	350mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%			
	CURRENT ACCURACY	±8.0%			
	LINE REGULATION	±1.0%			
	LOAD REGULATION	±3.0%			
	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.4	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, EAC TP TC 004, IP42 approved; design refer to BS EN/EN 62368-1			
	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/EN55024,BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), criteria A, EAC TP TC 020			
OTHERS	MTBF	518.9K 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℃ 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 voltage. Please check the static characteristic for more details. 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. 6. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft). 7. 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 8. This product is not intended for LED applications in the EU. (In the EU NPF/LPF/XLG series are recommended.) 9. To fulfill requirements of latest ErP regulation for lighting luminaires, this LED Driver can only be used behind a switch without permanently connected to mains. ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx			

■ Mechanical Specification

Case No.PCD16A   Unit:mm

3
84
150±10
UL1569 18AWG
V-(BLACK)
V+(RED)

15.3
7.3

AC IN
57
DC OUT

150±10
UL1569 18AWG
7.3
2-φ3.6
2-φ8.9

AC/N(Blue)
AC/L(Brown)

T case
5
5
15.3
3

※ T case: Max. Case Temperature.

29.5
1.9

■ Block Diagram

fosc : 60KHz

I/P — EMI FILTER — RECTIFIERS — POWER SWITCH-ING — RECTIFIERS & FILTER — +V / -V

POWER SWITCH-ING — PWM CONTROL

DETECTION CIRCUIT

■ Derating Curve

LOAD (%)

100
80
60
50
40
20

-30 0 10 20 30 40 50 60 70 (HORIZONTAL)

AMBIENT TEMPERATURE (℃)

■ Static Characteristics

LOAD (%)

100
90
80
70
60
50
40

90 100 200 210 220 230 240 250 264

INPUT VOLTAGE (VAC) 60Hz