



## Features :

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



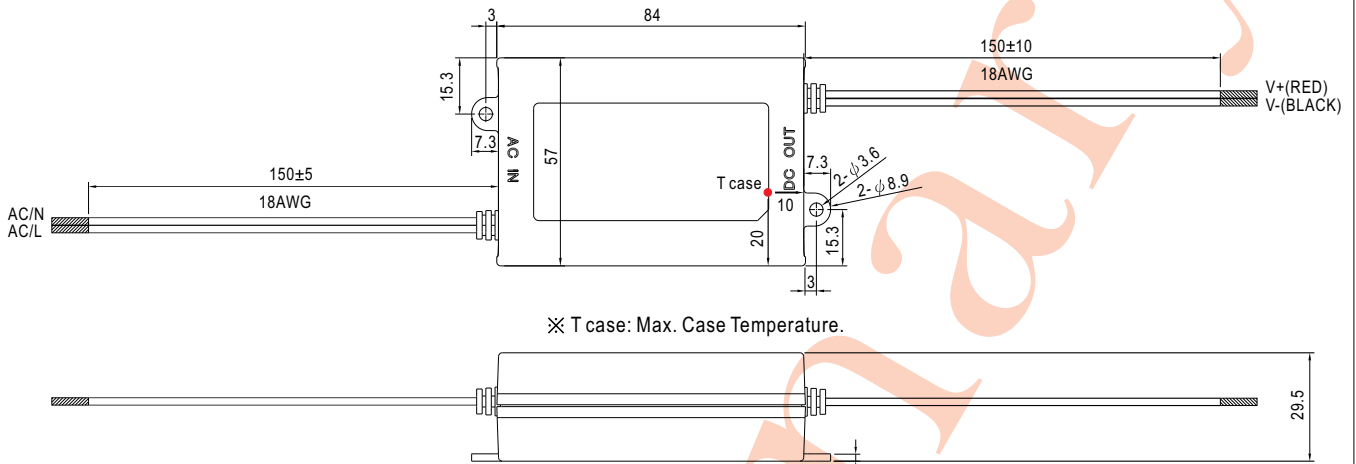
## SPECIFICATION

MODEL		APV-35-5	APV-35-12	APV-35-15	APV-35-24	APV-35-36
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	36V
	RATED CURRENT	6A	2.9A	2.4A	1.5A	1A
	CURRENT RANGE	0 ~ 6A	0 ~ 2.9A	0 ~ 2.4A	0 ~ 1.5A	0 ~ 1A
	RATED POWER	30W	34.8W	36W	36W	36W
	RIPPLE & NOISE (max.) Note.2	100mVp-p	150mVp-p	150mVp-p	180mVp-p	180mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%				
	LINE REGULATION	±1.0%				
	LOAD REGULATION	±2.0%				
	SETUP, RISE TIME Note.6	1500ms, 200ms / 230VAC      1500ms, 200ms / 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.)	77%	84%	84%	84%	84%
	AC CURRENT	0.7A/230VAC    1.1A/115VAC				
	INRUSH CURRENT(max.)	COLD START 35A/115VAC      70A/230VAC				
	LEAKAGE CURRENT	0.25mA / 240VAC				
PROTECTION	OVER LOAD	110%~150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 21V	27.6 ~ 32.4V	41.4 ~ 48.6V
		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	±0.03%/℃ (0 ~ 50℃)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC	SAFETY STANDARDS	Design refer to TUV EN60950-1, EN61347-2-13, UL8750				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC				
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25℃ / 70% RH				
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class A, EN61000-3-3				
	EMC IMMUNITY	Compliance to EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11; light industry level(surge 2KV), criteria A				
OTHERS	MTBF	K hrs min.    MIL-HDBK-217F (25)				
	DIMENSION	84*57*29.5mm (L*W*H)				
	PACKING					
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 characteristics 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. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.					

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## Mechanical Specification

Case No.PCD16A Unit:mm



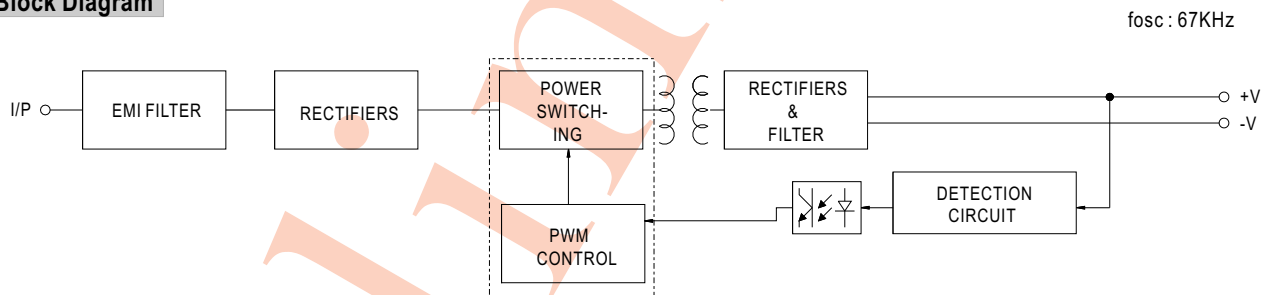
Type A: With AC input 90-135VAC

AC/N	White
AC/L	Black

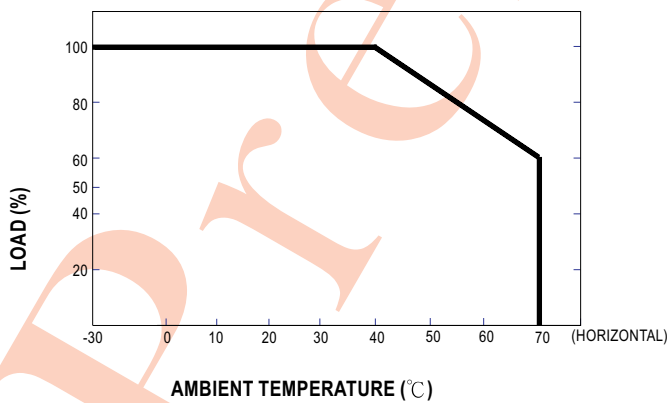
Type B: With AC input 180-295VAC

AC/N	Blue
AC/L	Brown

## Block Diagram



## Derating Curve



## Static Characteristics

