



#### ■ 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
- IP30 design
- Pass LPS
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED lighting and moving sign applications
- 2 years warranty

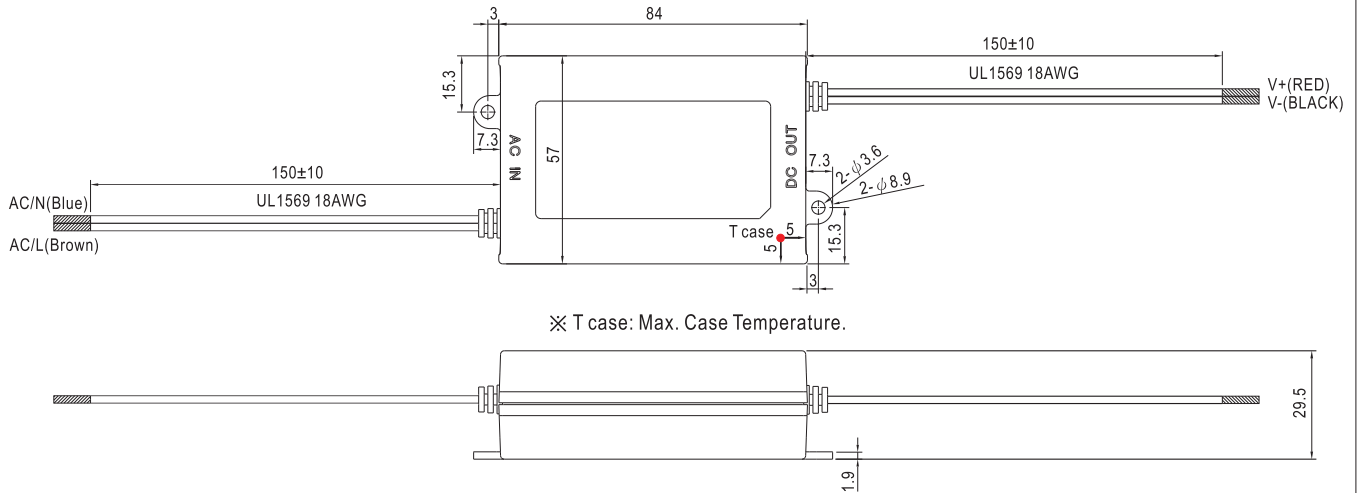


#### SPECIFICATION

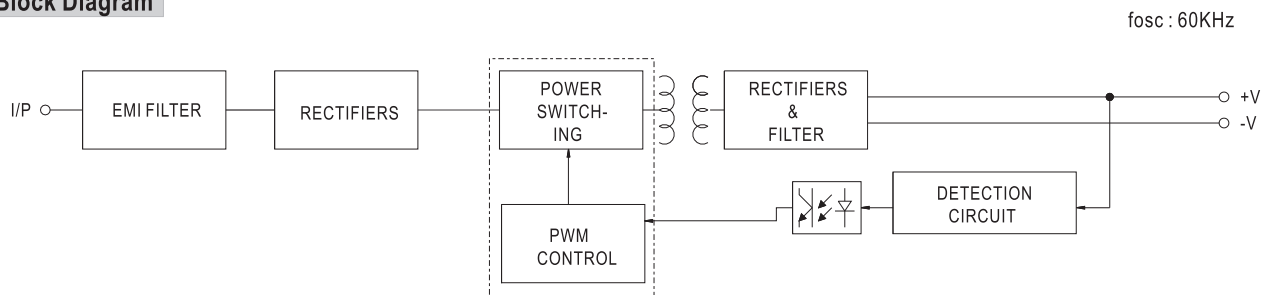
MODEL		APV-25-5	APV-25-12	APV-25-15	APV-25-24	APV-25-36
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	36V
	RATED CURRENT	3.5A	2.1A	1.68A	1.05A	0.7A
	CURRENT RANGE	0 ~ 3.5A	0 ~ 2.1A	0 ~ 1.68A	0 ~ 1.05A	0 ~ 0.7A
	RATED POWER	17.5W	25.2W	25.2W	25.2W	25.2W
	RIPPLE & NOISE (max.) Note.2	120mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%				
	LINE REGULATION	±1.0%				
	LOAD REGULATION	±2.0%				
INPUT	SETUP, RISE TIME Note.6	1500ms, 30ms / 230VAC 1500ms, 30ms / 115VAC at full load				
	HOLD UP TIME (Typ.)	20ms/230VAC 12ms/115VAC at full load				
	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	75.5%	82%	83%	83%	84%
	AC CURRENT	0.4A/230VAC 0.8A/115VAC				
PROTECTION	INRUSH CURRENT(max.)	COLD START 35A/115VAC 70A/230VAC				
	LEAKAGE CURRENT	0.25mA / 240VAC				
	OVER LOAD	Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
ENVIRONMENT	OVER VOLTAGE	5.75 ~ 6.95V	13.8 ~ 16.2V	17.25 ~ 21V	27 ~ 32.4V	41.4 ~ 48.6V
	WORKING TEMP.	-30 ~ 70°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
SAFETY & EMC	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
OTHERS	SAFETY STANDARDS	Design refer to EN60950-1, UL8750				
	WITHSTAND VOLTAGE	I/P-O/P: 3.75KVAC				
	ISOLATION RESISTANCE	I/P-O/P: >100M Ohms / 500VDC / 25°C / 70% RH				
	EMC EMISSION	Compliance to EN55022, EN61000-3-2 Class A, EN61000-3-3				
NOTE	EMC IMMUNITY	Compliance to EN55024, EN61000-4-2, 3, 4, 5, 6, 8, 11; light industry level (surge 2KV), criteria A				
	MTBF	692.8K hrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	84*57*29.5mm (L*W*H)				
PACKING		0.13Kg; 72pcs / 10.4Kg / 0.92CUFT				

## Mechanical Specification

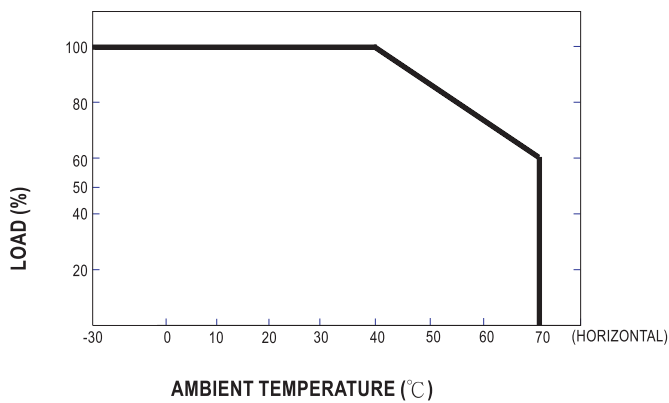
Case No.PCD16A Unit:mm



## Block Diagram



## Derating Curve



## Static Characteristics

