



## 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
- Class 2 power unit
- 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	
ОИТРИТ	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%					
	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					
INPUT	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					
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=310µs measured at 50% Ipeak) at 230VAC					
	LEAKAGE CURRENT	0.25mA / 240VAC					
PROTECTION	OVER LOAD	Above 105% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed					
		5.75 ~ 6.95V	13.8 ~ 16.2V	17.25 ~ 21V	27 ~ 32.4V	41.4 ~ 48.6V	
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING TEMP.	-30 ~ 70°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	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					
SAFETY & EMC	SAFETY STANDARDS	UL8750 , CSA-C22.2 No. 250.0-13 approved; design refer to EN60950-1					
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC					
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25℃ / 70% RH					
	EMC EMISSION	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					
OTHERS	MTBF	692.8K hrs min. MIL-HDBK-217F ( $25^{\circ}$ C)					
	DIMENSION	84*57*29.5mm (L*W*H)					
	PACKING	0.13Kg; 72pcs / 10.4Kg /	0.92CUFT				
NOTE	Ripple & noise are measure Tolerance : includes set up Derating may be needed ur The power supply is consid complete installation, the fir Length of set up time is me	meters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. A noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. ce: includes set up tolerance, line regulation and load regulation. go may be needed under low input voltage. Please check the static characteristics for more details. Were supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the description in the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. 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. The might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.					



