

■ Features :

- Constant voltage design
- Universal AC input / Full range
- Protections: Short circuit / Over load / Over voltage
- Fully isolated plastic case
- Cooling by free air convection
- Small and compact size
- \bullet Class ${\rm I\hspace{-.1em}I}$ power unit, no FG
- Class 2 power unit
- Pass LPS
- IP42 design
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty IS 15885(Part 2/Sec13)

MODEL		APV-12-5	APV-12-12	APV-12-15	APV-12-24
ОИТРИТ	DC VOLTAGE	5V	12V	15V	24V
	RATED CURRENT	2A	1A	0.8A	0.5A
	CURRENT RANGE	0 ~ 2A	0 ~ 1A	0 ~ 0.8A	0 ~ 0.5A
	RATED POWER	10W	12W	12W	12W
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	120mVp-p	150mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%			
	LINE REGULATION	±1.0%			
	LOAD REGULATION	±2.0%			
	SETUP, RISE TIME Note.6	5 1500ms, 30ms / 230VAC 1500ms, 30ms / 115VAC at full load			
	HOLD UP TIME (Typ.)	20ms/230VAC 15ms/115VAC at full load			
INPUT	VOLTAGE RANGE Note.4	4 90 ~ 264VAC 127 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	76%	82%	82%	84%
	AC CURRENT	0.2A/230VAC 0.35A/115VA	AC .		
	INRUSH CURRENT(Typ.)	COLD START 70A(twidth=120µs measured at 50% lpeak) at 230VAC			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	17 units (circuit breaker of type B) / 29 units (circuit breaker of type C) at 230VAC			
	LEAKAGE CURRENT	0.25mA/240VAC			
PROTECTION	Above 105% rated output power				
	OVER LOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed			
		5.75 ~ 6.75V	13.8 ~ 16V	17.5 ~ 21V	27.6 ~ 32.4V
	OVER VOLTAGE	Protection type : Shut off o/p	voltage, clamping by zener	diode	
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 STANDARDS Note.8	UL8750,CSA C22.2 No.250.0-08, ENEC EN61347-1,EN61347-2-13,EN62384 Independent,BIS IS15885(except for 15V), EAC TP TC 004,IP42 Approved; design refer to EN60950-1			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC			
EMC	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH			
ENIC	EMC EMISSION	Compliance to EN55032,EN61000-3-2 Class A,EN61000-3-3, EAC TP TC 020			
	EMC IMMUNITY	Compliance to EN55024,EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), criteria A, EAC TP TC 020			
	MTBF	1145.7K hrs min. MIL-HDBK-217F (25°C)			
OTHERS	DIMENSION	77*40*29(L*W*H)			
	PACKING	0.08Kg; 120pcs/11.8Kg/1.060	CUFT		
NOTE	Ripple & noise are measure Tolerance: includes set up Derating may be needed ur The power supply is conside complete installation, the fin Length of set up time is me The unit might not be suitable. The model certified for CCC	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Irred at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Irred at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Irred at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Independent of the static characteristics for more details. Idered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. Independent of the set up time. Independent of the set up time. Independent of the possible use of the unit. Irred (GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model. Please contact MEAN WELL for details. Irred at 230VAC input set			

