

## 12W Single Output Switching Power Supply

# **APV-12** series

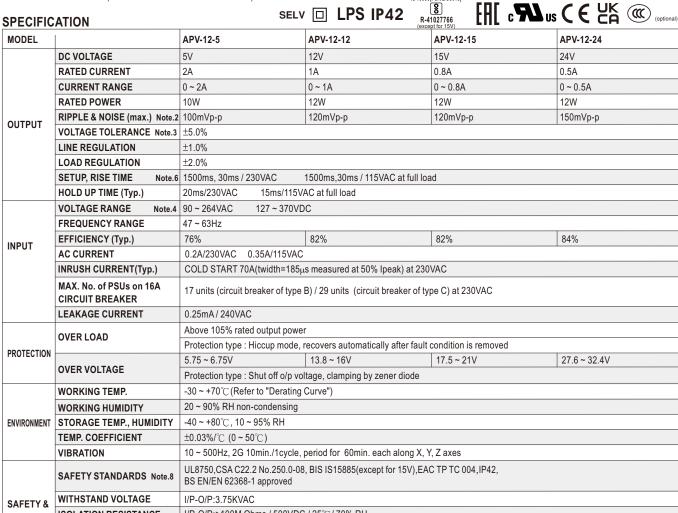
User's Manual

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### 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
- Class II 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)(Note.7)
- 100% full load burn-in test
- Low cost, high reliability
- · 2 years warranty IS 15885(Part 2/Sec13)



SAFETY & EMC	SAFETY STANDARDS Note.8	BS EN/EN 62368-1 approved
	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 BS EN/EN55032,BS EN/EN61000-3-2,BS EN/EN61000-3-3, EAC TP TC 020
	EMC IMMUNITY	Compliance to BS EN/EN55035,BS EN/EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), EAC TP TC 020
OTHERS	MTBF	7488.9K hrs min. Telcordia SR-332 (Bellcore) ; 1132.5K hrs min. MIL-HDBK-217F ( $25^{\circ}$ C)
	DIMENSION	77*40*29(L*W*H)
	PACKING	0.08Kg; 120pcs/11.8Kg/1.06CUFT
NOTE		lly mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 47 uf 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. Please connect L line to the positive pole and	
	N line to the negative pole under DC input.	
	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.	
	7. This product is not intended for LED lighting luminaire applications in the EU.(In the EU the LPF/NPF/XLG series are recommended.)	
		(GB19510.14, GB19510.1, GB17743 and GB17625.1) is an optional model . Please contact MEAN WELL for details.
		erating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
	10. Products sourced from the Americas regions may not have the ENEC/BIS/CCC logo. Please contact your MEAN WELL sales for more information.	
	11. 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	
	V Product Liphility Disclaimor	· For detailed information, places refer to https://www.maapwell.com/con/ice/Disclaimer.aspx File Name: APV-12-SPEC 2022-08-05

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#### GTIN CODE

MODEL

OUTPUT

INPUT

PROTECTION

MW Search: https://www.meanwell.com/serviceGTIN.aspx