



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



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GTIN CODE

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SELV



LPS IP42



us

IS 15885(Part 2/Sec13)



R-41027766 (except for 15V)



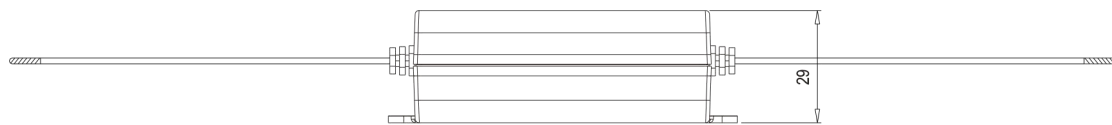
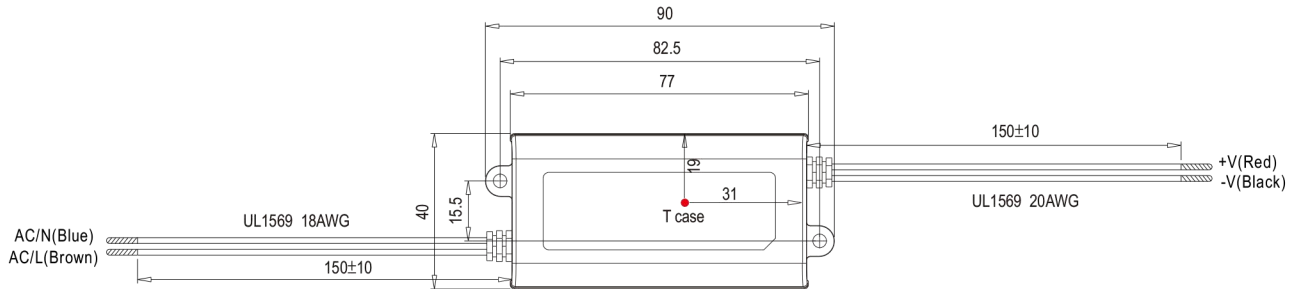
SPECIFICATION

MODEL	APV-16-5	APV-16-12	APV-16-15	APV-16-24
OUTPUT	DC VOLTAGE	5V	12V	15V
	RATED CURRENT	2.6A	1.25A	1A
	CURRENT RANGE	0 ~ 2.6A	0 ~ 1.25A	0 ~ 1A
	RATED POWER	13W	15W	15W
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	120mVp-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.)	76%	80%	81%
	AC CURRENT	0.3A/230VAC	0.5A/115VAC	
PROTECTION	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=250μs measured at 50% Ipeak) at 230VAC		
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	13 units (circuit breaker of type B) / 22 units (circuit breaker of type C) at 230VAC		
	LEAKAGE CURRENT	0.25mA / 240VAC		
OVER LOAD	OVER LOAD	Above 105% rated output power		
	Protection type	Hiccup mode, recovers automatically after fault condition is removed		
OVER VOLTAGE	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16V	17.5 ~ 21V
	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)		
SAFETY & EMC	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, BIS IS15885(except for 15V), EAC TP TC 004, IP42, 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		
OTHERS	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		
MTBF	MTBF	7265.5K hrs min. Telcordia SR-332 (Bellcore); 1128.9K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	77*40*29mm (L*W*H)		
	PACKING	0.1Kg; 120pcs/14Kg/1.06CUFT		

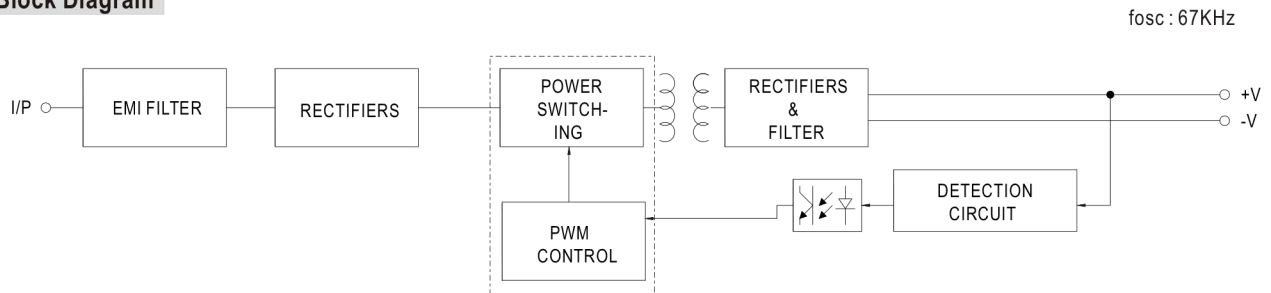
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Derating may be needed under low input voltage. Please check the static characteristics for more details. 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. (as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf) 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 and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.) 8. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). 9. Products sourced from the Americas regions may not have the ENEC/BIS logo. Please contact your MEAN WELL sales for more information. 10. 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 ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx
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Mechanical Specification

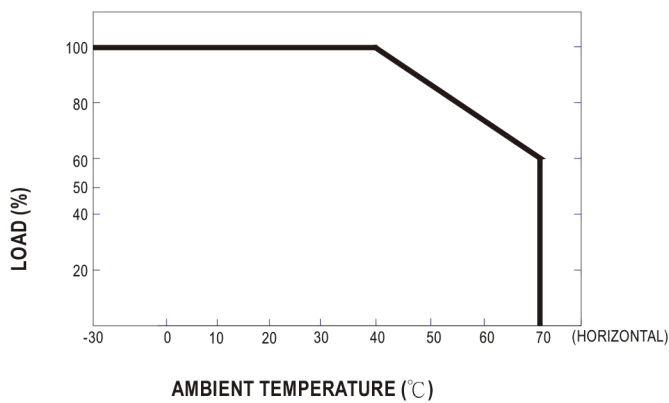
Unit:mm Tolerance:±1



Block Diagram



Derating Curve



Static Characteristics

