



**THE DATASHEET OF  
APC-16-350**





■ Features :

- Constant current mode design
- Universal AC input / Full range
- Protections: Short circuit / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- 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.5)
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty



■ GTIN CODE

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

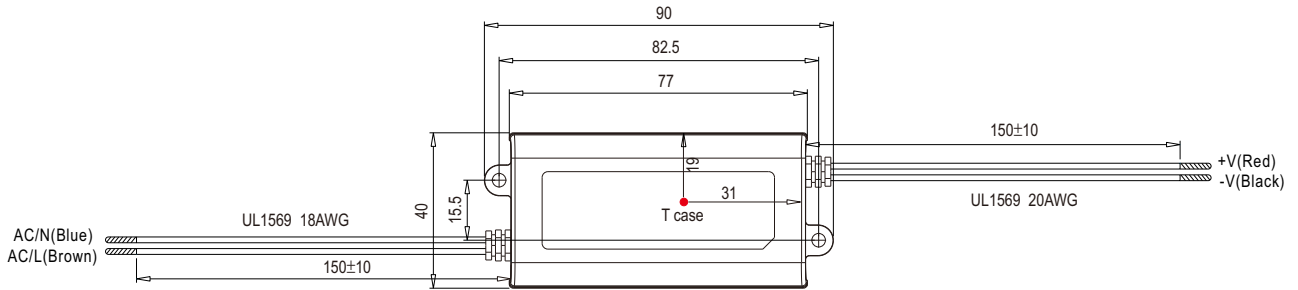


SPECIFICATION

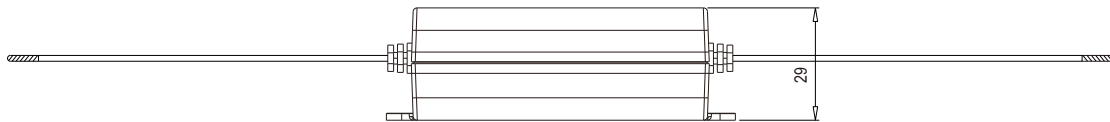
MODEL		APC-16-350	APC-16-700
OUTPUT	RATED CURRENT	350mA	700mA
	DC VOLTAGE RANGE	12~48V	9~24V
	RATED POWER	16.8W	16.8W
	VOLTAGE TOLERANCE <small>Note.2</small>	±5.0%	
	CURRENT ACCURACY	±8.0%	
	SETUP, RISE TIME	3000ms, 200ms / 230VAC    3000ms, 200ms / 115VAC at full load	
INPUT	HOLD UP TIME (Typ.)	20ms/230VAC    12ms/115VAC at full load	
	VOLTAGE RANGE <small>Note.3</small>	90 ~ 264VAC    127 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY(Typ.)	84%	83%
	AC CURRENT	0.3A/230VAC;0.5A/115VAC	
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=210µs measured at 50% Ipeak) at 230VAC	
PROTECTION	MAX. No. of PSUs on 16A CIRCUIT BREAKER	13 units (circuit breaker of type B) / 23 units (circuit breaker of type C) at 230VAC	
	LEAKAGE CURRENT	0.25mA / 240VAC	
	OVER VOLTAGE	50.4~ 60V	27.6~ 33.5V
ENVIRONMENT	Protection type : Shut off o/p voltage, clamping by zener diode		
	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	±0.2%/°C (0 ~ 50°C)	
SAFETY & EMC (Note 5)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	
	SAFETY STANDARDS <small>Note.6</small>	UL8750, CSA C22.2 No.250.0-08, BIS IS15885, EAC TP TC 004, 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	
OTHERS	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	6411.4K hrs min. Telcordia SR-332 (Bellcore); 1092.9K hrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	77*40*29(L*W*H)	
NOTE	PACKING	0.1Kg; 120pcs/14Kg/1.06CUFT	
	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Tolerance : includes set up tolerance.</p> <p>3. Derating may be needed under low input voltage. Please check the static characteristic for more details. Please connect L line to the positive pole and N line to the negative pole under DC input.</p> <p>4. 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 <a href="https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf">https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf</a>)</p> <p>5. 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.)</p> <p>6. 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).</p> <p>7. For any application note and IP water proof function installation caution, please refer our user manual before using. <a href="https://www.meanwell.com/Upload/PDF/LED_EN.pdf">https://www.meanwell.com/Upload/PDF/LED_EN.pdf</a></p> <p>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a></p>		

**Mechanical Specification**

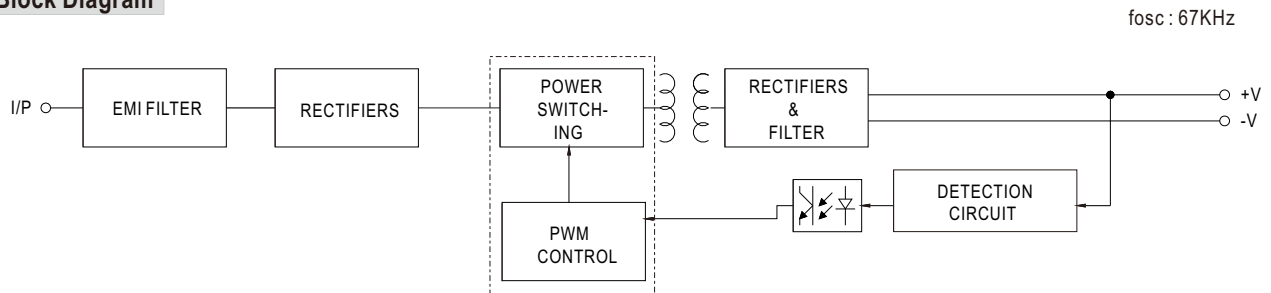
Unit:mm Tolerance:±1



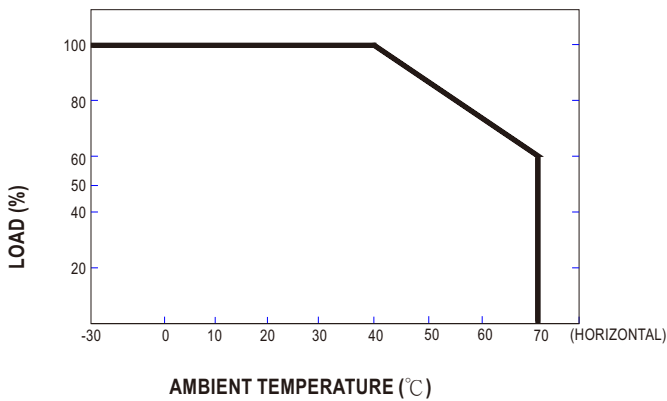
※ T case: Max. Case Temperature



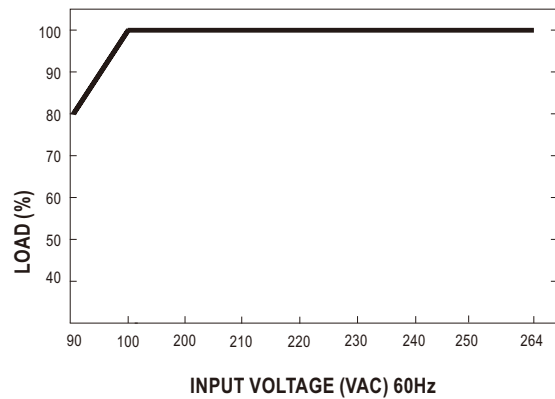
**Block Diagram**



**Derating Curve**



**Static Characteristics**



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