



25W Single Output Switching Power Supply

APC-25 series



■ Features :

- Constant current mode power supply
- Universal AC input / Full range
- Withstand 300VAC Surge input for 5 seconds
- Protections: Short circuit / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- IP42 design
- 100% full load burn-in test
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.6)
- Low cost / High reliability
- 2 years warranty

User's Manual



■ GTIN CODE

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

SPECIFICATION    (only for APC-25-500)  (only for APC-25-700&1050) **IP42 LPS** (except for APC-25-350)  

MODEL		APC-25-350		APC-25-500		APC-25-700		APC-25-1050	
OUTPUT	RATED CURRENT	350mA		500mA		700mA		1050mA	
	DC VOLTAGE RANGE	25~70V		15~50V		11~36V		9~24V	
	RATED POWER	24.5W		25.2W		25.2W		25.2W	
	CURRENT RIPPLE	5.0%							
	CURRENT ACCURACY	±8.0%							
	SETUP, RISE TIME	1500ms, 30ms / 230VAC 1500ms, 30ms / 115VAC at full load							
	HOLD UP TIME (Typ.)	20ms/230VAC 12ms/115VAC at full load							
INPUT	VOLTAGE RANGE Note.2	90 ~ 264VAC		127 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY(Typ.)	83%		83%		83%		83%	
	AC CURRENT	0.4A/230VAC;0.8A/115VAC							
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=310μs measured at 50% Ipeak) at 230VAC							
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	9 units (circuit breaker of type B) / 15 units (circuit breaker of type C) at 230VAC							
	LEAKAGE CURRENT	0.25mA / 240VAC							
PROTECTION	OVER VOLTAGE	76 ~ 94V		55 ~ 68V		41 ~ 49V		27 ~ 35V	
		Protection type : Shut down o/p voltage, re-power on to recover							
ENVIRONMENT	WORKING TEMP.	-30 ~ 70℃ (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-40 ~ +80℃, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.2%/℃ (0 ~ 50℃)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL8750 (except for APC-25-350), CSA-C22.2 No. 250.0-13 (only for APC-25-700&1050), BIS IS15885(except for APC-25-350), EAC TP TC 004,IP42, BS EN/EN 62368-1 approved							
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC							
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25℃ / 70% RH							
	EMC EMISSION	Compliance to BS EN/EN55032,BS EN/EN61000-3-2 Class A,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	4955.9K hrs min. Telcordia SR-332 (Bellcore) ; 504.9K hrs min. MIL-HDBK-217F (25℃)							
	DIMENSION	84*57*29.5(L*W*H)							
	PACKING	0.13Kg; 72pcs/10.4Kg/0.92CUFT							
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 2. Derating may be needed under low input voltage. Please check the static characteristic for more details. 3. 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) 4. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft). 5. 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 6. 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.) ※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx								

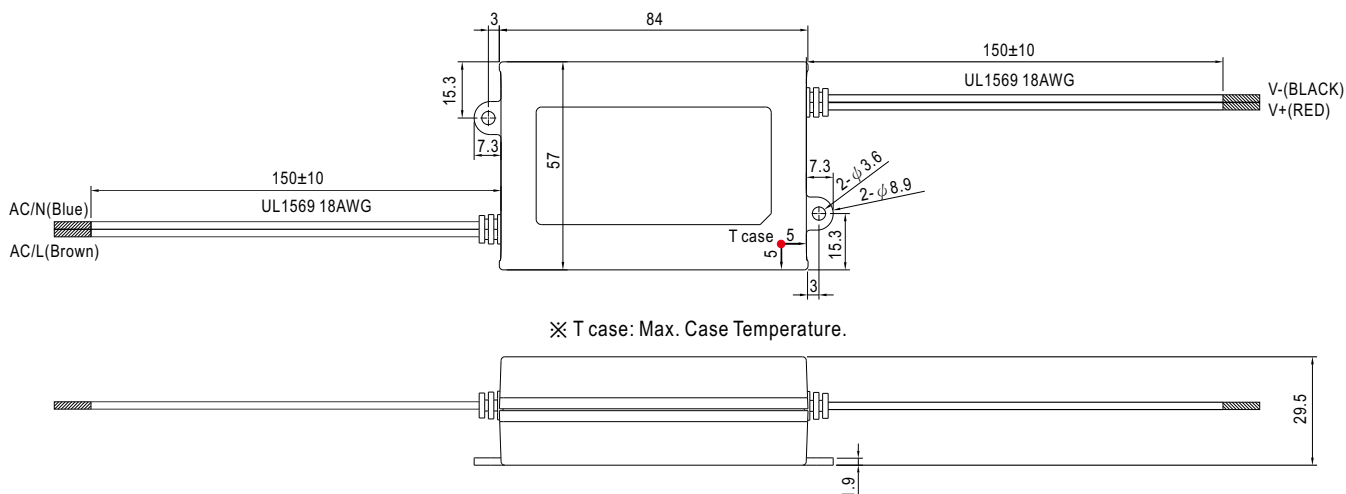


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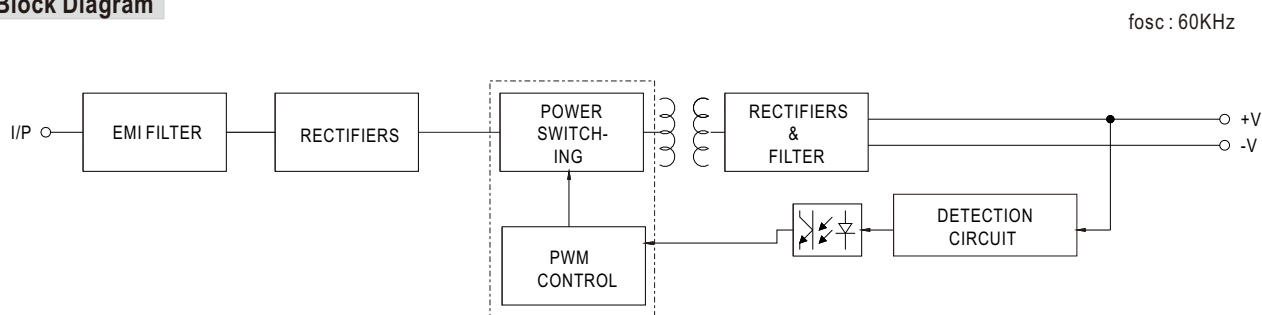
APC-25 series

Mechanical Specification

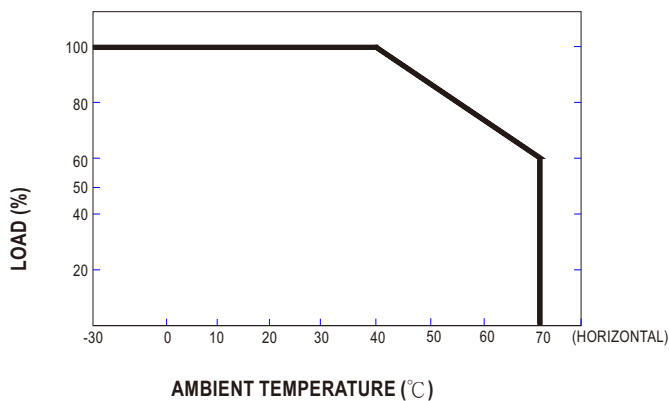
Case No.PCD16A Unit:mm Tolerance:±1



Block Diagram



Derating Curve



Static Characteristics

