



MEAN WELL APC-35 Series 35W Single Output Switching Power Supply Owner's Manual

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MEAN WELL APC-35 Series 35W Single Output Switching Power Supply



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 related fixtures or appliances (such as LED Decoration or Advertisement devices)(Note. 6)
- Low cost / High reliability
- 2 years warranty

GTIN CODE

IP42  IS 15885(Part 2/Sec13)
(only for APC-35-700&1050)
LPS (only for APC-35-700&1050)
 (only for APC-35-700)
 (only for APC-35-1050)
EAC **UK** **CE** **CA**

SPECIFICATION

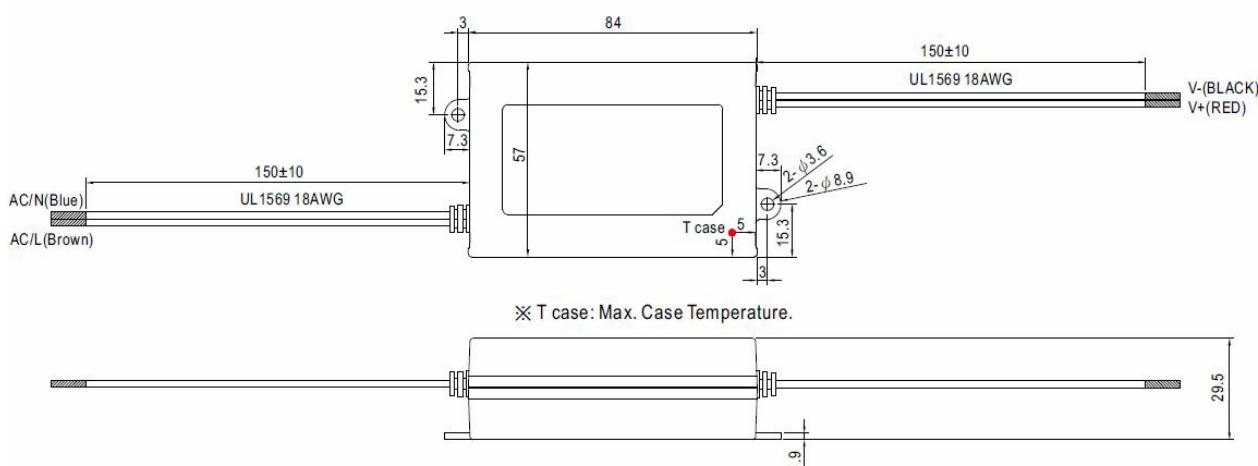
MODEL		APC-35-350	APC-35-500	APC-35-700	APC-35-1050
OUTPUT	RATED CURRENT	350mA	500mA	700mA	1050mA
	DC VOLTAGE RANGE	28~100V	25~70V	15~50V	11~33V
	RATED POWER	35W	35W	35W	34.7W
	CURRENT RIPLE	5.0%			
	CURRENT ACCURACY	±8.0%			

	SETUP, RISE TIME	1500ms, 40ms / 230VAC 1500ms, 40ms / 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.)	84%	84%	84%	84%
	AC CURRENT	0.5A/230VAC;0.75A/115VAC			
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=490µs measured at 50% Ipeak) at 230VAC			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	5 units (circuit breaker of type B) / 9 units (circuit breaker of type C) at 230 VAC			
LEAKAGE CURRENT	0.25mA / 240VAC				
PROTECTION	OVER VOLTAGE	110 ~ 130V	77 ~ 91V	55 ~ 65V	36 ~ 43V
		Protection type : Shut down o/p voltage, re-power on to recover			
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	±0.2%/°C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL8750 (only for APC-35-700&1050), CSA-C22.2 No. 250.0-13 (only for APC-35-1050), BIS IS15885(only for APC-35-700&1050), 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°C/ 70% RH			
	EMC EMISSION	Compliance to BS EN/EN55032,BS EN/EN61000-3-2 Class A,BS EN/EN 61000-3-3, 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			

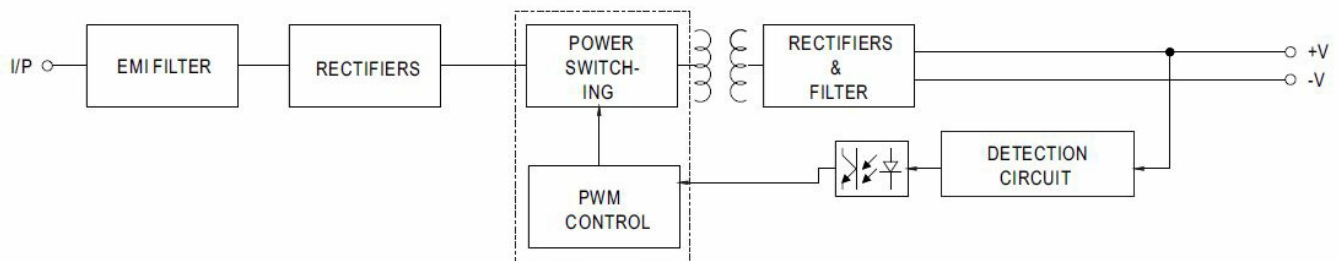
OTHERS	MTBF	4955.9K hrs min. Telcordia SR-332 (Bellcore) ; 550.4K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	84*57*29.5(L*W*H)
	PACKING	0.18Kg; 72pcs/14Kg/0.92CUFT
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Derating may be needed under low input voltage. Please check the static characteristic f or more details.</p> <p>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.</p> <p>4. 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>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</p> <p>6. This product is not intended for LED lighting luminaire applications in the EU.(In the EU the LPF/NPF/XLG series are recommended.)</p> <p>※ Product Liability Disclaimer For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p>	

35W Single Output Switching Power Supply

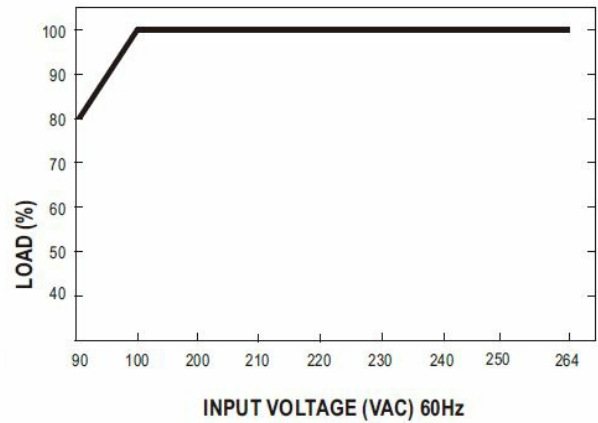
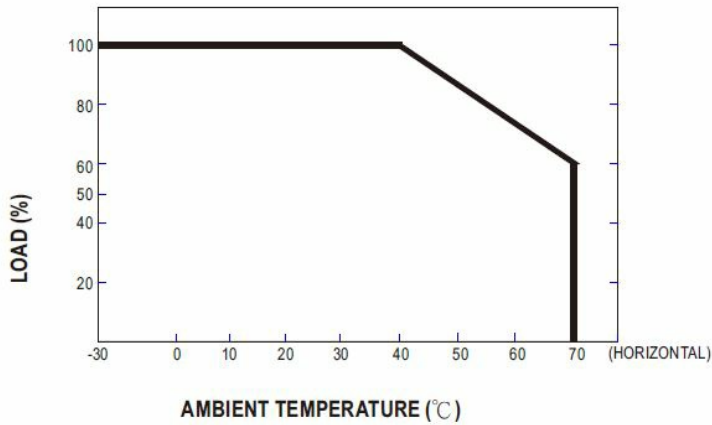
Mechanical Specification



Block Diagram



Derating Curve



Documents / Resources



[MEAN WELL APC-35 Series 35W Single Output Switching Power Supply](#) [pdf] Owner's Manual

APC-35-350, APC-35-500, APC-35-700, APC-35-1050, APC-35 Series 35W Single Output Switching Power Supply, 35W Single Output Switching Power Supply, Single Output Switching Power Supply, Switching Power Supply, Power Supply

References

- [MEAN WELL Product Liability Disclaimer-MEAN WELL Switching Power Supply Manufacturer](#)