



■ Features :

- Constant current design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.8)
- Fully isolated plastic case
- Class II power unit, no FG
- Pass LPS
- Suitable for LED lighting and moving sign applications (Note.7)
- 100% full load burn-in test
- Low cost, high reliability
- 5 years warranty

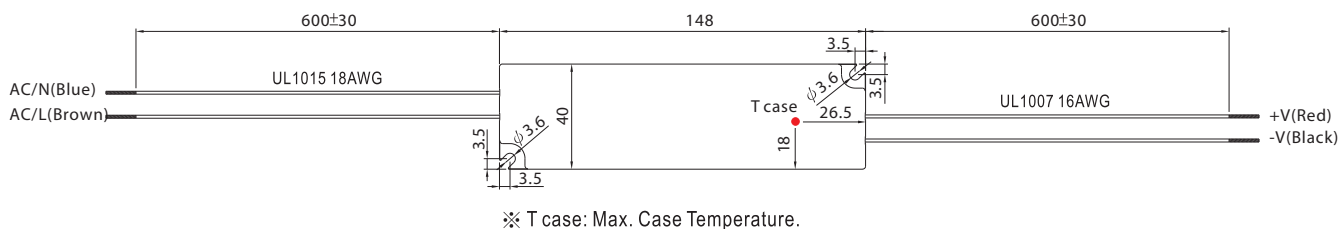
☐ LPS IP67  

SPECIFICATION

MODEL		BP-C700-340	
OUTPUT	RATED CURRENT	700mA	
	DC VOLTAGE RANGE	9 ~ 48V	
	RATED POWER	33.6W	
	RIPPLE & NOISE (max.)	Note.2	200mVp-p
	VOLTAGE TOLERANCE	Note.3	±5.0%
	CURRENT ACCURACY	±5.0%	
	LINE REGULATION	±1.0%	
	LOAD REGULATION	±2.0%	
	SETUP, RISE TIME	Note.6	500ms, 120ms / 230VAC 500ms, 120ms / 115VAC at full load
HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load		
INPUT	VOLTAGE RANGE	Note.4	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY (Typ.)	85%	
	AC CURRENT (Typ.)	1.1A/115VAC 0.7A/230VAC	
	INRUSH CURRENT(max.)	COLD START 30A/115VAC 60A/230VAC	
	LEAKAGE CURRENT	0.25mA / 240VAC	
PROTECTION	OVER VOLTAGE	50.4 ~ 60V Protection type : Shut off o/p voltage, clamping by zener diode	
ENVIRONMENT	WORKING TEMP.	-30 ~ +75℃ (Refer to "Derating Curve")	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +80℃, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	
SAFETY & EMC	SAFETY STANDARDS	UL1310 Class 2, IP 67 approved ; design refer to TUV EN60950-1, EN61347-2-13	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25℃ / 70% RH	
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3	
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A	
OTHERS	MTBF	743.5Khrs min. MIL-HDBK-217F (25℃)	
	DIMENSION	148*40*30mm (L*W*H)	
	PACKING	0.34Kg; 40pcs/14.6Kg/0.63CUFT	
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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. 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. In the European market this power supply can be used for LED lighting applications with input power up to 25W. 8. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.		

■ Mechanical Specification

Unit:mm



✱ T case: Max. Case Temperature.

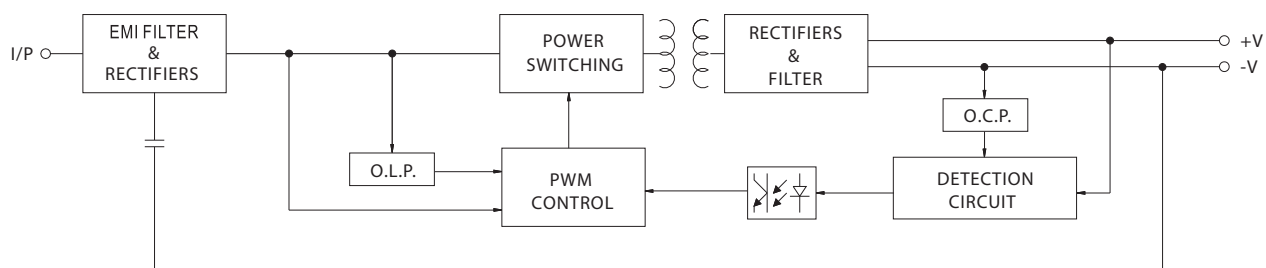


■ Recommend Mounting Direction

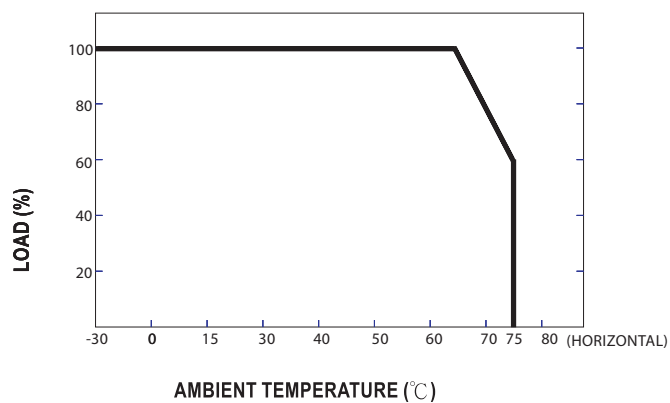


■ Block Diagram

fosc : 60KHz



Derating Curve



■ Static Characteristics

