



■ Features :

- 180-264VAC input only
- Fully encapsulated with IP67 level (Note.5)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Class II power unit, no FG
- Pass LPS
- 100% full load burn-in test
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)
- High reliability / Low cost
- 2 years warranty

IS 15885(Part 2/Sec13)



R-41027766
(except for LPH-18-36)



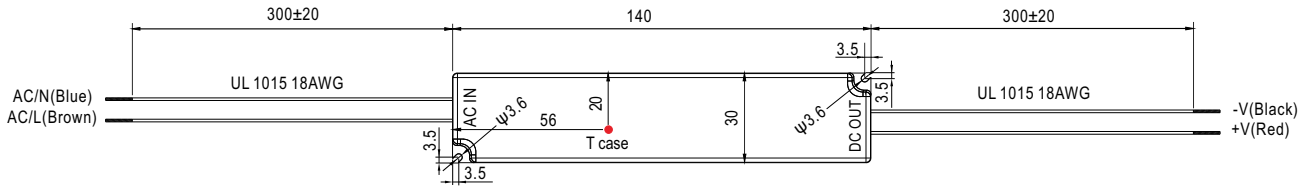
SPECIFICATION



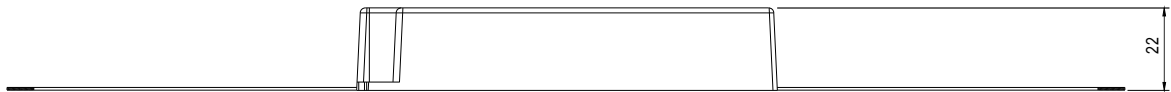
MODEL		LPH-18-12	LPH-18-24	LPH-18-36
OUTPUT	DC VOLTAGE	12V	24V	36V
	RATED CURRENT	1.5A	0.75A	0.5A
	CURRENT RANGE	0 ~ 1.5A	0 ~ 0.75A	0 ~ 0.5A
	RATED POWER	18W	18W	18W
	RIPPLE & NOISE (max.) Note.2	120mVp-p	150mVp-p	200mVp-p
	VOLTAGE TOLERANCE Note.3	±3.0%		
	LINE REGULATION	±1.0%		
	LOAD REGULATION	±2.0%		
INPUT	SETUP, RISE TIME	1500ms, 30ms / 230VAC		
	HOLD UP TIME (Typ.)	50ms/230VAC at full load		
	VOLTAGE RANGE	180 ~ 264VAC	254 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY(Typ.)	77%	82%	83%
	AC CURRENT	0.3A/230VAC		
PROTECTION	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=155µs measured at 50% Ipeak) at 230VAC		
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	17 units (circuit breaker of type B) / 28 units (circuit breaker of type C) at 230VAC		
	LEAKAGE CURRENT	0.25mA / 240VAC		
	OVERLOAD	Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	13.8~ 16.2V	27.6~ 32.4V	41.4 ~ 48.6V
ENVIRONMENT	OVER TEMPERATURE	Hiccup mode, recovers automatically after temperature goes down		
	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 (Note 4)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
	SAFETY STANDARDS	TUV EN60950-1, BIS IS15885(except for LPH-18-36), EAC TP TC 004, IP67 approved; design refer to UL1310 Class 2,CAN/CSA No. 223-M91		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC		
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH		
OTHERS	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020		
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020		
	MTBF	1200.6K hrs min. MIL-HDBK-217F (25°C)		
NOTE	DIMENSION	140*30*22(L*W*H)		
	PACKING	0.175Kg; 70pcs/13.3Kgs/0.71CUFT		
<p>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. 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. 5. Suitable for indoor use or outdoor use without direct sunlight exposure. 6. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.</p>				

■ Mechanical Specification

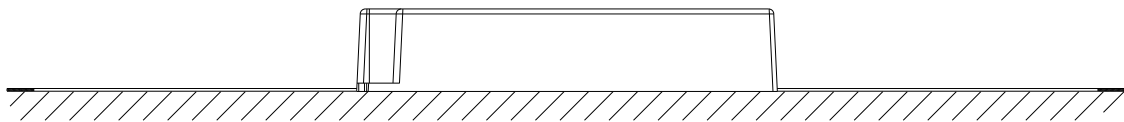
Unit:mm



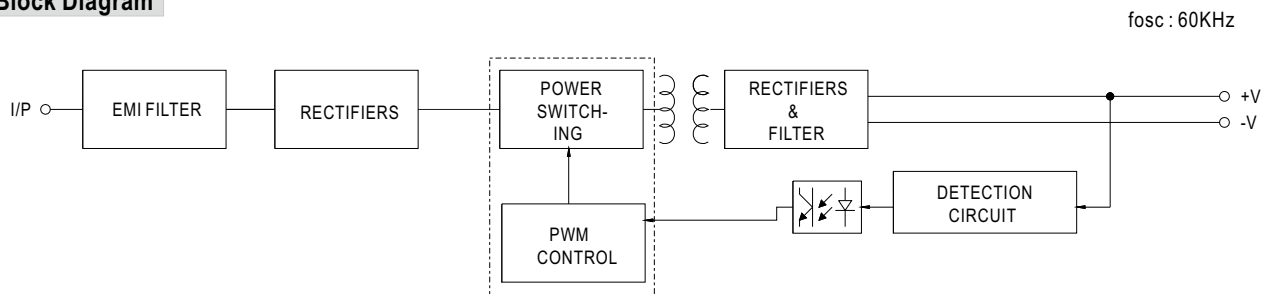
※ T case: Max. Case Temperature



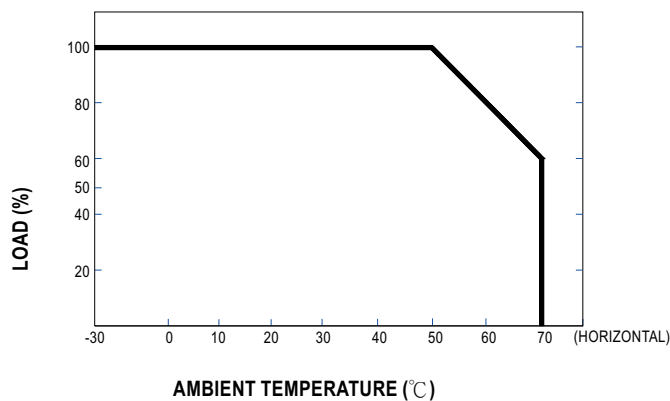
■ Recommend Mounting Direction



■ Block Diagram



■ Derating Curve



■ Static Characteristics

