
■ Features :

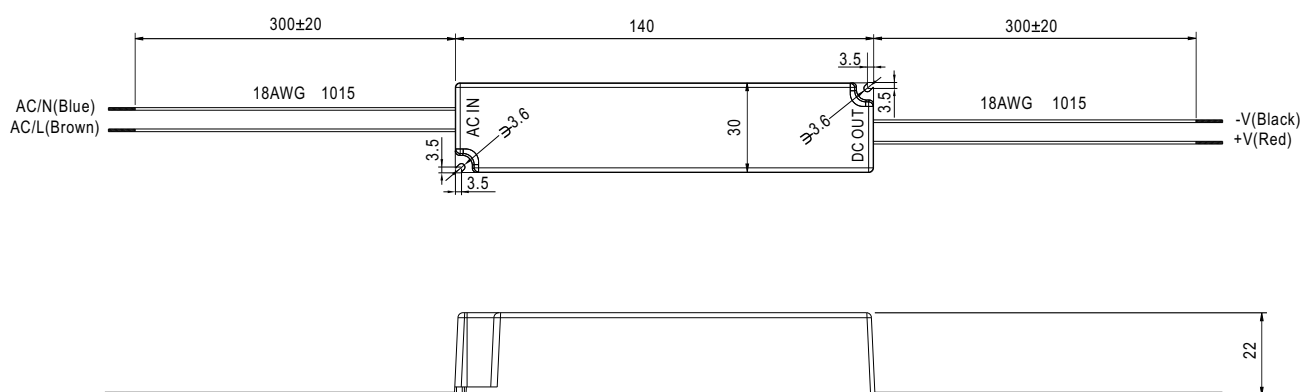
- 180-264VAC input only
- Fully encapsulated with IP67 level
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Pass LPS
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- High reliability / Low cost
- 2 years warranty

SPECIFICATION
LPS IP67

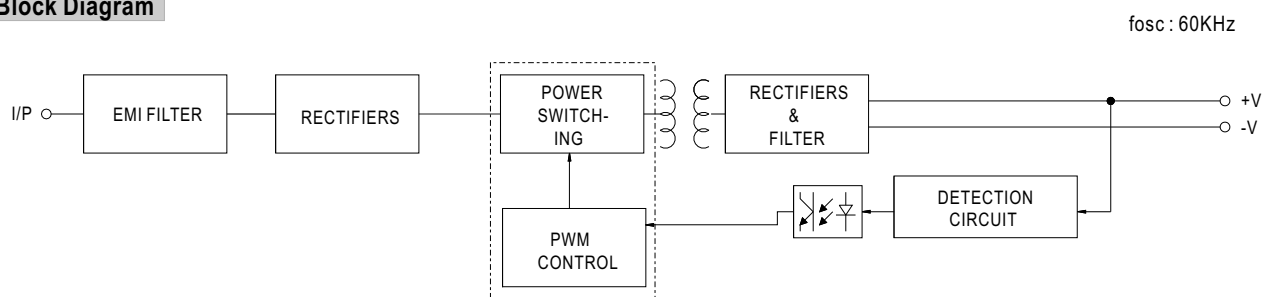

MODEL		LPH-18-12		LPH-18-24	LPH-18-36
OUTPUT	DC VOLTAGE	12V		24V	36V
	RATED CURRENT	1.5A		0.75A	0.5A
	CURRENT RANGE	0 ~ 1.5A		0 ~ 0.75A	0 ~ 0.5A
	RATED POWER	18W		18W	18W
	RIPPLE & NOISE (max.) Note.2	120mVp-p		150mVp-p	200mVp-p
	VOLTAGE TOLERANCE Note.3	±3.0%			
	LINE REGULATION	±1.0%			
	LOAD REGULATION	±2.0%			
	SETUP, RISE TIME	1500ms, 30ms / 230VAC			
	HOLD UP TIME (Typ.)	50ms/230VAC at full load			
INPUT	VOLTAGE RANGE	180 ~ 264VAC 254 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY(Typ.)	78%	82%	83%	
	AC CURRENT	0.3A/230VAC			
	INRUSH CURRENT(max.)	Cold start 50A/230VAC			
	LEAKAGE CURRENT	0.25mA / 240VAC			
PROTECTION	OVER CURRENT	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
		Protection type : Shut off o/p voltage, clamping by zener diode			
	OVER TEMPERATURE	Tj 170 t ypically (U1) Detect on main control IC Protection type : Hiccup mode, recovers automatically after temperature goes down			
ENVIRONMENT	WORKING TEMP.	-30 ~ 70℃ (Refer to output load 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 (Note 4)	SAFETY STANDARDS	TUV EN60950-1, IP67 approved; design refer to UL1310 Class 2, EN61347-2-13, CAN/CSA C22.2 No. 223-M91			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC			
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25℃ / 70% RH			
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B			
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class A, EN61000-3-3			
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A			
	MTBF	1200.6K hrs min. MIL-HDBK-217F (25)			
	DIMENSION	140*30*22(L*W*H)			
	PACKING	0.175Kg; 70pcs/13.3Kgs/0.71CUFT			
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. 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.				

■ Mechanical Specification

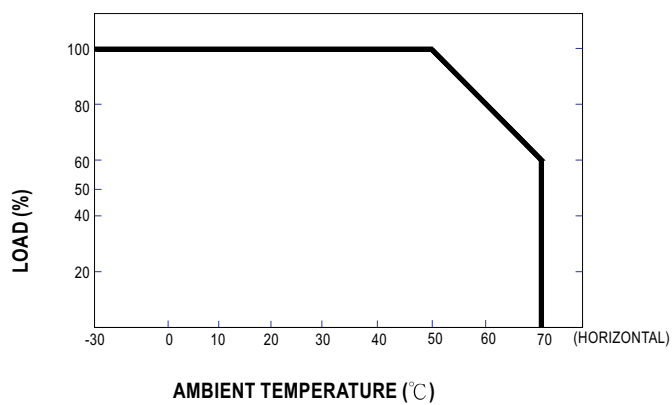
Unit:mm



■ Block Diagram



Derating Curve



■ Static Characteristics

