


■ 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

LPS IP67 CE

SPECIFICATION

MODEL	LPH-18-12	LPH-18-24	LPH-18-36
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	1.5A	0.75A
	CURRENT RANGE	0 ~ 1.5A	0 ~ 0.75A
	RATED POWER	18W	18W
	RIPLPE & NOISE (max.) Note.2	120mVp-p	150mVp-p
	VOLTAGE TOLERANCE Note.3	±3.0%	
	LINE REGULATION	±1.0%	
	LOAD REGULATION	±2.0%	
	SETUP, RISE TIME	1500ms, 30ms / 230VAC	
INPUT	HOLD UP TIME (Typ.)	50ms/230VAC at full load	
	VOLTAGE RANGE	180 ~ 264VAC	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY(Typ.)	78%	82% 83%
	AC CURRENT	0.3A/230VAC	
	INRUSH CURRENT(max.)	Cold start 50A/230VAC	
PROTECTION	LEAKAGE CURRENT	0.25mA / 240VAC	
	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	T _j 170°C typically (U1) Detect on main control IC Protection type : Hiccup mode, recovers automatically after temperature goes down	
ENVIRONMENT	WORKING TEMP.	-25 ~ 70°C (Refer to output load 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)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	
SAFETY & EMC (Note 4)	SAFETY STANDARDS	Design refer to UL1310 Class 2, TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91, IP67 approved	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH	
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3	
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A	
OTHERS	MTBF	1200.6K hrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	140*30*20(L*W*H)	
	PACKING	0.175Kg; 70pcs/13.3Kgs/0.66CUFT	
NOTE	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 a component which will be installed in a final equipment. The final equipment must be re-confirmed that it still meets EMC directive		

