



- Features:
- Constant voltage design
  - Double insulated mains input
  - 180-264VAC Only
  - Protections: Short circuit/ Overload/ Over voltage/ Over Temp.
  - Cooling by free air convection
  - Fully encapsulated with IP67 level
  - Fully isolated plastic case
  - Class II power unit, no FG
  - Pass LPS
  - Suitable for LED lighting and moving sign applications
  - 100% full load burn-in test
  - Low cost, high reliability
  - 2 years warranty

**SPECIFICATION**



MODEL		LPH-18-12TF	LPH-18-24TF*
OUTPUT	DC Voltage	12V	24V
	RATED CURRENT	1.5A	0.75A
	CURRENT RANGE	0 – 1.5A	0- 0.75A
	RATED POWER	18W	18W
	RIPPLE & NOISE (max.)	120mVp-p	150mVp-p
	VOLTAGE TOLERANCE	±3.0%	
INPUT	VOLTAGE RANGE	180 – 264VAC      254 – 370VDC	
	FREQUENCY RANGE	47 – 63Hz	
	EFFICIENCY (Typ.)	78%	82%
	AC CURRENT (Typ.)	0.3A/ 230VAC	
	INRUSH CURRENT	COLD STAR 50A/ 230VAC	
	LEAKAGE CURRENT	0.25mA/ 240VAC	
PROTECTION	OVERLOAD	Rated 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
	OVER TEMPERATURE	Tj 170°C typically (U1) Detect on main control IC Protection type: Hiccup mode, recovers automatically after temperature goes down	
ENVIRONMENT	WORKING TEMP.	-30 – +70°C (Refer to “Derating Curve”)	
	VIBRATION	10 – 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	
SAFETY & EMC	SAFETY STANDARDS	TUV EN60950-1, IP67 approved; design refer to UL1310 Class 2, CAN/ CSA C22.2 No. 223-M91	
	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	DIMENSION	140*30*22mm (L*W*H)	
	PACKING	0.175Kg; 70pcs/13.3Kg/0.71CUFT	

\*Lead time and MOQ required

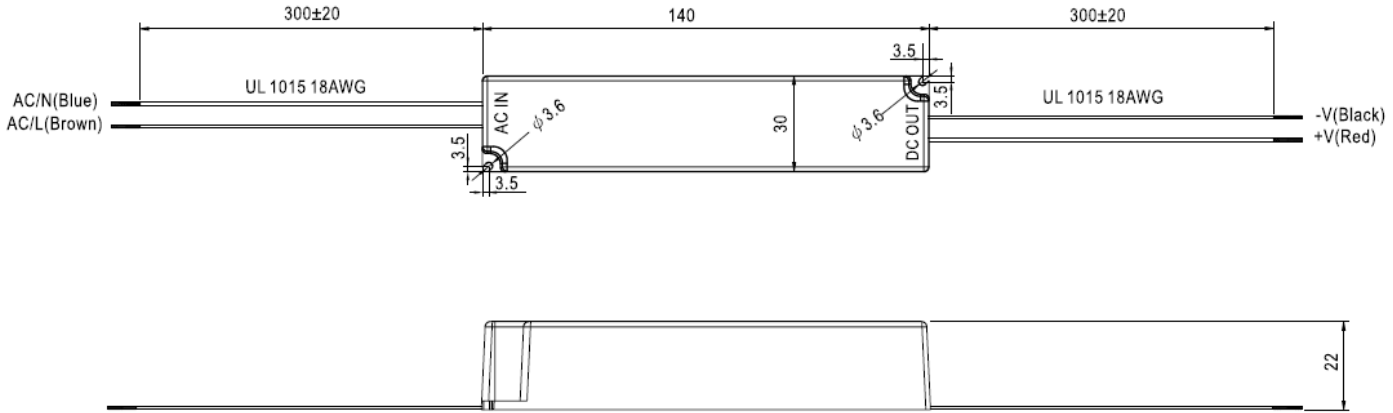
**Ecopac (UK) Power Ltd** Unit 4, Ridgeway, Crendon Industrial Area Long Crendon, Bucks. HP18 9BF

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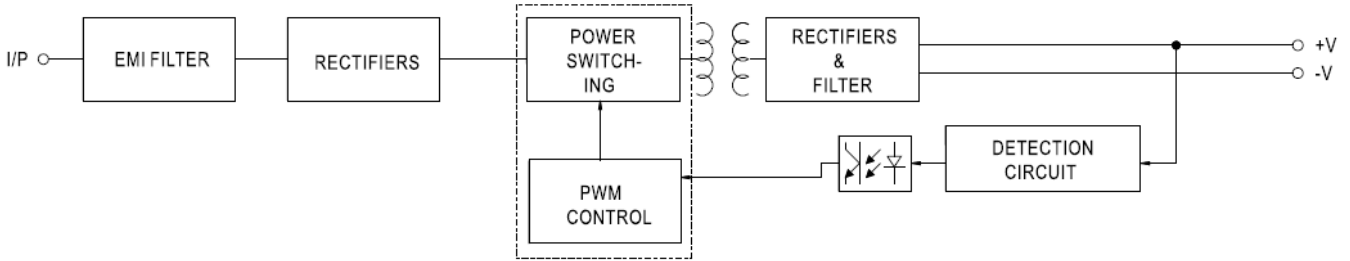
**Mechanical Specification**

Unit:mm

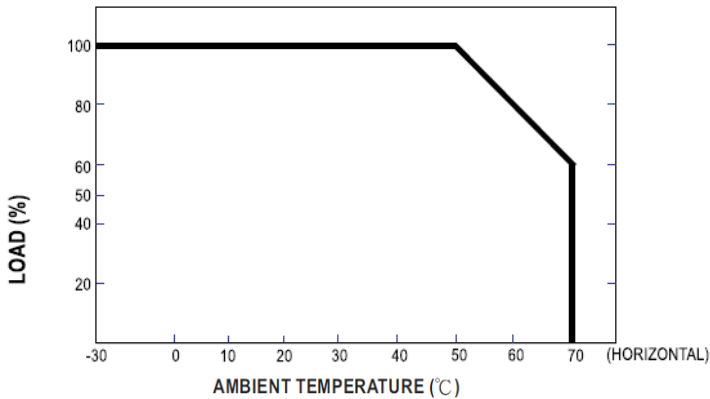


**Block Diagram**

fosc : 60KHz



**Derating Curve**



**Static Characteristics**

