



Features :

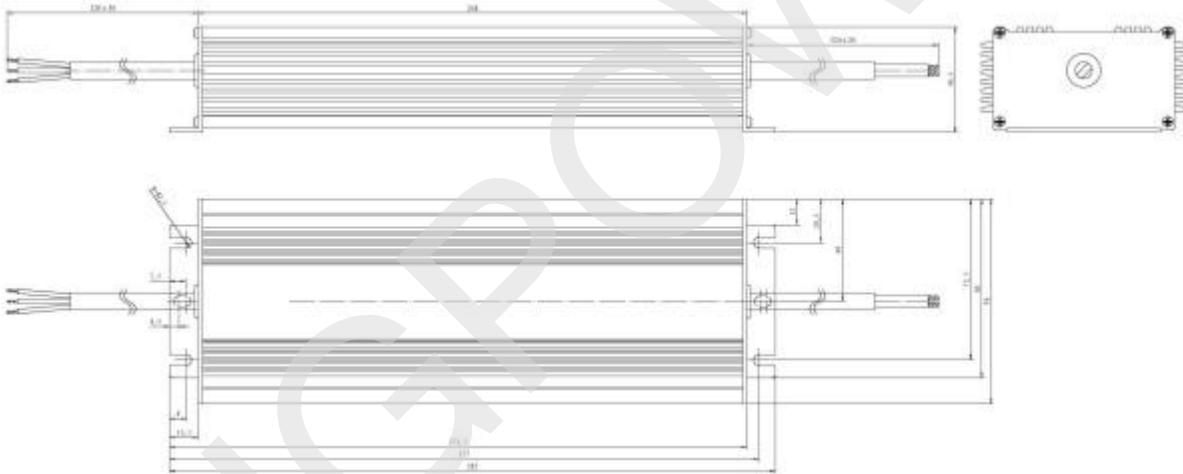
- Universal AC input/Full range
- Protections: Short circuit / Over voltage / Over temperature
- Built-in active PFC function
- Fully encapsulated with IP67 level
- Class 2 power unit, pass LPS
- Cooling by free air convection
- 100% full load burn-in test
- High reliability
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- Damp / wet location outdoor application
- 3 years warranty

SPECIFICATION:

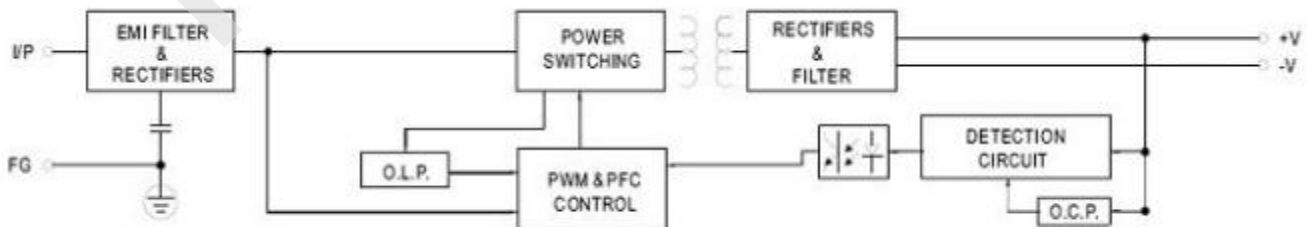
MODEL		LGV300P-12	LGV300P-24	LGV300P-36
OUTPUT	DC VOLTAGE	12V	24V	36V
	RATED CURRENT	25A	12.5A	8.33A
	RATED POWER	300W		
	RIPPLE & NOISE (max.)	100mVpp	150mVpp	200mVpp
	VOLTAGE TOLERANCE	±3.0%		
	LINE REGULATION	±1.0%		
	LOAD REGULATION	±2.0%		
	SETUP,RISE TIME	1000ms, 80ms / 230VAC 1000ms, 80ms / 115VAC at full load		
	HOLD UP TIME (Typ.)	60ms / 230VAC	30ms / 115VAC at full load	
INPUT	VOLTAGE RANGE	100 ~ 240VAC		
	FREQUENCY RANGE	47~63Hz		
	POWER FACTOR	PF>0.95/230VAC PF>0.98/115VAC at full load PF≥0.9 at 75 ~ 100% load, 115VAC / 230VAC		
	EFFICIENCY(Typ.)	87%	88%	89%
	AC CURRENT(at full load)	3.1A / Measured at full load and 115 Vac input. 1.55A / Measured at full load and 230 Vac input.		
	INRUSHCURRENT(max.)	65A At 230Vac input 25 °C Cold Start		
	LEAKAGE CURRENT	<1mA / 240VAC		
PROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	Above 14.4~18V	Above 29~36V	Above 43~54V

	OVER TEMPERATURE	Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMP.	-30 ~ +50 @ full load ; +70 @ 50% load
	WORKING HUMIDITY	20 ~ 95% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ 80°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 5G 12min./1 cycle, period for 72min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS	Design refer to EN61347-1, EN61347-2-13, meet IP67
	WITHSTAND VOLTAGE	I/P-O/P: 3.0KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P: >100M Ohms / 500VDC / 25 ~ 70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55015:2013+A1: 2015
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class C ; EN61000-3-3
DIMENSION		285*96*49.5mm (L*W*H)

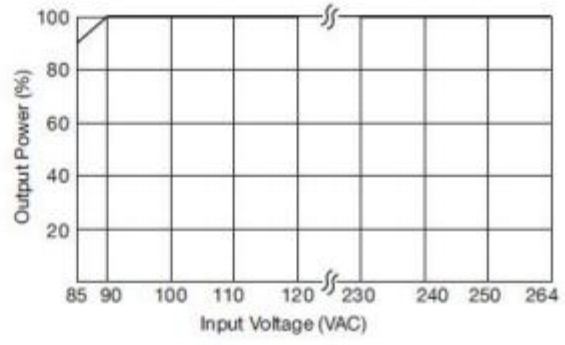
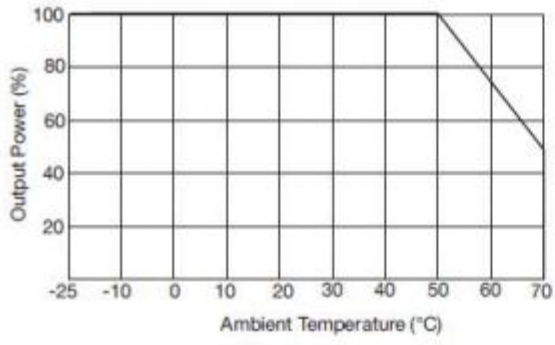
Mechanical Specification :



Block Diagram :



Derating Curves



HGPOWER