



Features :

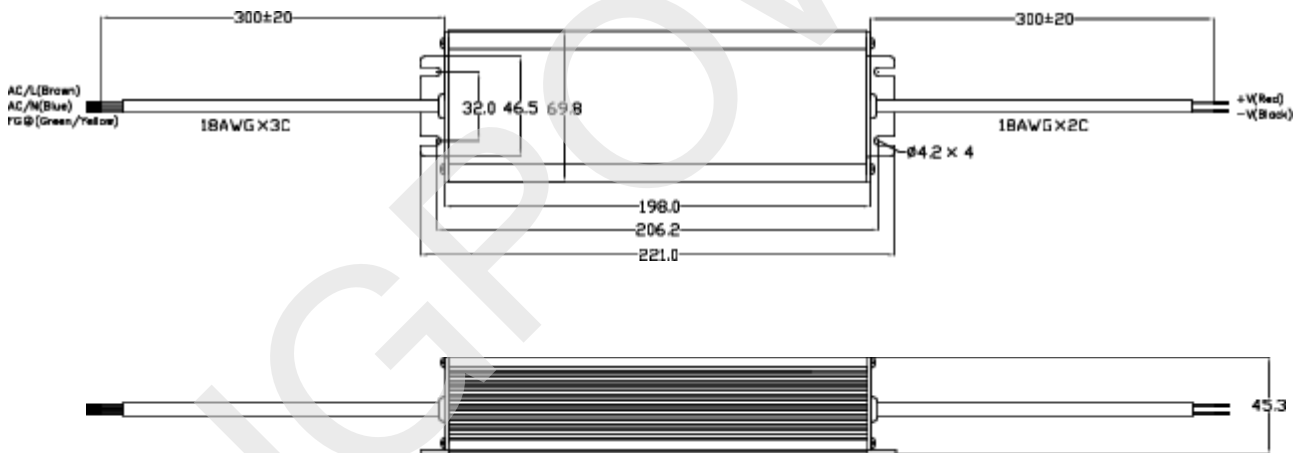
- Universal AC input/Full range
- Protections: Short circuit / Over Current / Over temperature
- Built-in active PFC function
- Fully encapsulated with IP67 level
- Class 2 power unit, pass LPS
- Cooling by free air convection
- 100% full load burn-in test
- High reliability
- Suitable for LED lighting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

SPECIFICATION:

MODEL		LGA-150P -4900	LGA-150P -4200	LGA-150P -3500	LGA-150P -3150	LGA-150P -2800	LGA-150P -2450
OUTPUT	DC VOLTAGE	30V	36V	42V	48V	54V	60V
	CONSTANT CURRENT REGION	18~30V	24~36V	30~42V	36~48V	42~54V	48~60V
	RATED CURRENT	4900mA	4200mA	3500mA	3150mA	2800mA	2450mA
	RATED POWER	147W	151.2W	147W	151.2W	151.2W	147W
	RIPPLE & NOISE (max.)	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE TOLERANCE	±3.0%			±2.0%		
	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.)	90%	91%	92%	92%	92%	92%
	AC CURRENT(at full load)	2A / 115VAC 1A / 230VAC					
	INRUSH CURRENT (max.)	COLD START 65A/230VAC					
	LEAKAGE CURRENT	<1mA / 240VAC					
PROTECTION	OVER CURRENT	Above 105%-110% of rated current					
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed					
	OVER TEMPERATURE	Protection type : Shutdown o/p voltage, recovers automatically after temperature goes down					
ENVIRONMENT	WORKING TEMP.	-30 ~ +50 @ full load ; +70 @ 60% 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./1cycle, period for 72min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS	Design refer to UL1310 Class 2, TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91, meet IP67
	WITHSTAND VOLTAGE	I/P-O/P: 3.0KVAC
	ISOLATION RESISTANCE	I/P-O/P: >100M Ohms / 500VDC / 25~70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55015, EN55022 (CISPR22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class C (≥75% load) ; EN61000-3-3
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61547, light industry level , criteria A
DIMENSION		221*69.8*45.3mm (L*W*H)

Mechanica Specification:



Block Diagram:

