



Features :

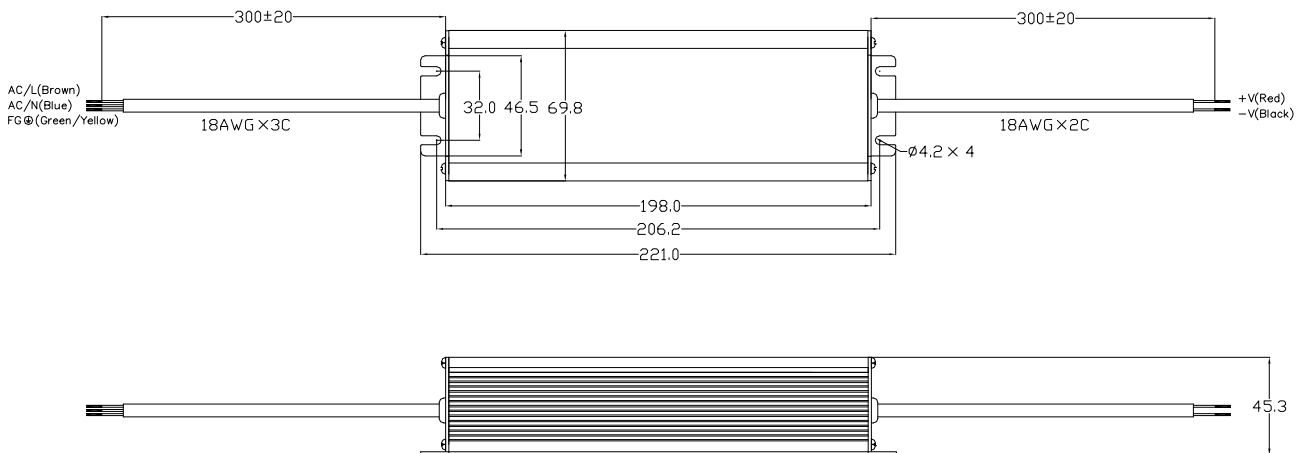
- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built_in active PFC function
- Fully encapsulated with IP67 level
- UL60950 Class 2 power unit, pass LPS
- Cooling by free air convection
- 100% full load burn-in test
- High reliability
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- Damp / wet location outdoor

SPECIFICATION:

MODEL		LA160D-700
OUTPUT	CONSTANT CURRENT REGION	30~700V
	RATED CURRENT	700mA
	RATED POWER	162.4W
	MAX CHANNEL	4CH
	SETUP,RISE TIME	1200ms, 50ms / 230VAC 2500ms, 50ms / 115VAC at full load
	CONSTANT CURRENT ACCURACY	±10%
INPUT	VOLTAGE RANGE	100 ~ 240VAC
	FREQUENCY RANGE	50~60Hz
	POWER FACTOR	PF>0.90/230VAC PF>0.98/115VAC at full load
	EFFICIENCY(Typ.)	85%
	AC CURRENT(at full load)	1.7A / 115VAC 0.88A / 230VAC
	INRUSH CURRENT (max.)	COLD START 60A/230VAC
	LEAKAGE CURRENT	<1mA / 240VAC
PROTECT ON	OVER CURRENT	95 ~ 108% Protection type : Constant current limiting, recovers automatically after fault condition is removed
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed
	OVER TEMPERATURE	Tj 140°C typically Detect on main control IC Protection type : Shut down 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℃, 10~95% RH
	TEMP.COEFFICIENT	±0.03%/℃ (0~50℃)
	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 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, 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)

Mechanical Specification:



Block Diagram:

