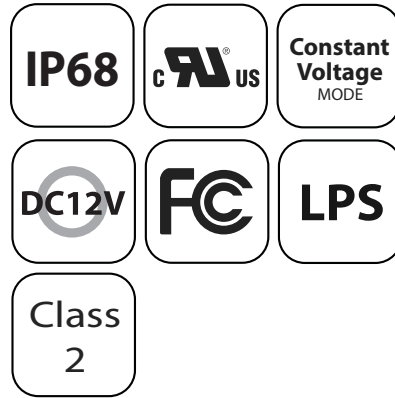


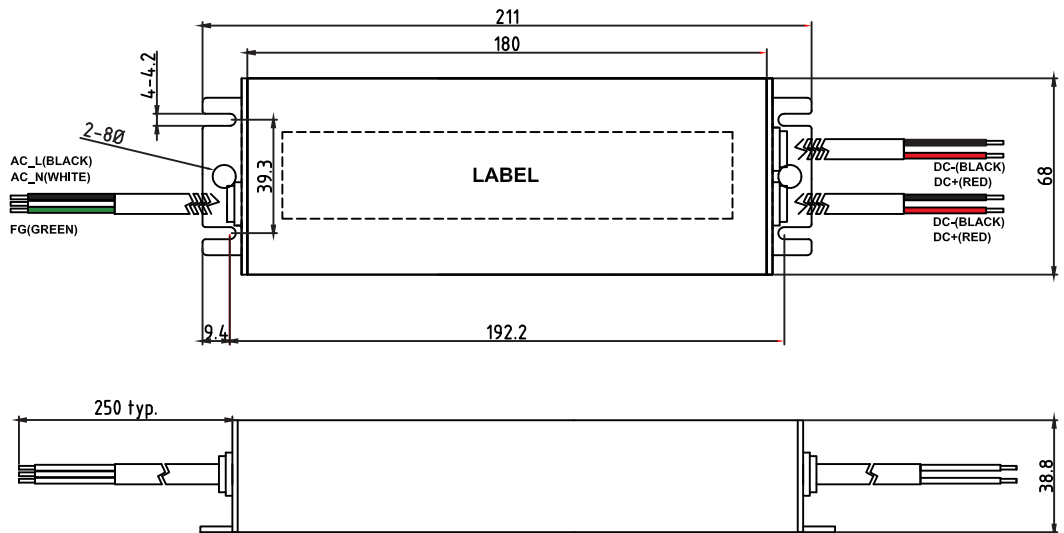
Characteristics



- **Constant Voltage design(C.V. mode)**
- AC input automatic voltage selection : 100-277V
- Protections:
 - Overload / Over voltage / Short circuit / Over temperature
- IP68 design for outdoor installations
- Dry, damp and wet locations
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- **Class 2 power unit**
- Metal case
- Safety standards : UL879
- EMC standards : FCC Part 15 class B

Physical

■ Dimension: unit(mm)



Dimension : 7-2/8" x 2-6/8" x 1-1/2" inch (L xWxH)
 Weight : 1.98 Lbs

Elite LED Supply, Inc

8720 Westpark Dr Ste B TX 77063

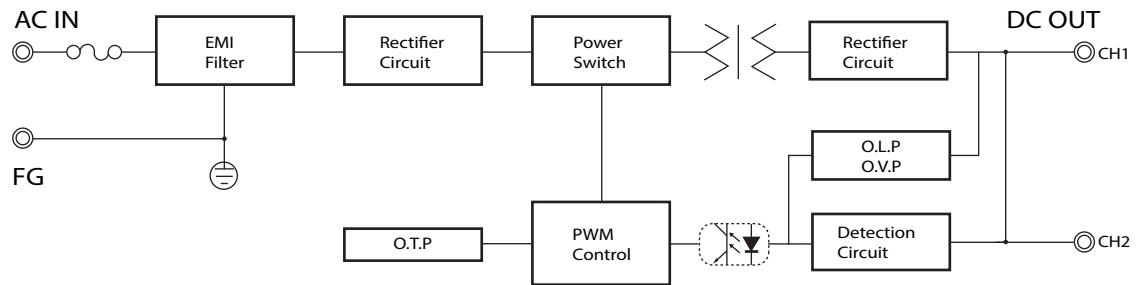
Tel:713-234-6579 Fax:832-886-5256 www.eliteledsupply.com



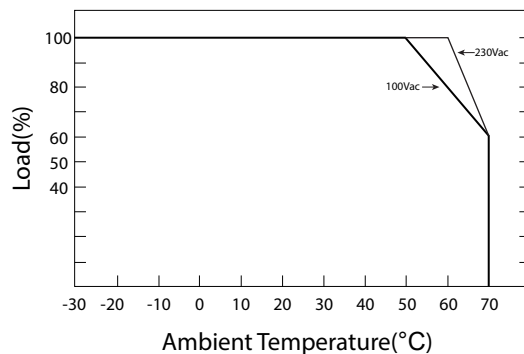
Other Characteristics

	ITEM	UP120S12MH
INPUT	VOLTAGE RANGE	AC110~277V
	FREQUENCY RANGE	47~63Hz
	EFFICIENCY(typ.)	85%
	AC CURRENT(typ.)	1.9A/115VAC(typ) 1.0A/230VAC(typ)
	INRUSH CURRENT(typ.)	COLD START 60A/230VAC
	LEAKAGE CURRENT	<1.5mA / 230VAC
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	5A*2(Dual Output)
	RATED POWER	120W
	RIPPLE&NOISE(max.) Note2	170mVp-p
	VOLTAGE ADJ. RANGE	-
	VOLTAGE TOLERANCE Note3	±3%
	LINE REGULATION Note4	±1%
	LOAD REGULATION Note5	±2%
	SETUP, RISE TIME(max.)	3000ms. 100ms/115VAC 3000ms, 100ms/230VAC at full load
HOLD UP TIME(typ.)	50ms/115VAC 100ms/230VAC at full load	
PROTECTION	SHORT CIRCUIT	Hiccup mode : recovers automatically after fault condition is removed
	OVERLOAD	Over 110% of rating : recovers automatically after fault condition is removed
	OVER VOLTAGE	115~140% of rating
	OVER TEMPERATURE	115±10°C(temp. Sensor) : recovers automatically after fault condition is removed
ISOLATION	WITHSTAND VOLTAGE	I/P-O/P:AC3.75KV,I/P-F.G:AC2KV, O/P-F.G:AC1.5KV
	ISOLATION RESISTANCE	I/P-O/P,I/P-F.G,O/P-F.G:DC500V 100Mohms(At room temp. & humid.)
ENVIRONMENT	WORKING TEMP.&HUMID.	-40~+70°C(Refer to "DERATING CURVE"),20~95%RH
	STORAGE TEMP.&HUMID.	-40~+75°C,10~95%RH
	VIBRATION	10~500Hz, 5G 12min./1cycle, period for 72min. Each along X, Y, Z axes
OTHERS	DIMENSION/WEIGHT	211*568*38.8mm(L*W*H)/0.9Kg
NOTE	1.All parameters not specially mentioned are measured at 220vac input, rarted load and 25 °c of ambient temperature. 2.Ripple & noise are measured at 20MHZ of bandwidth by using a 12" twisted pare-wire terminated with 0.1 uF & 47uF parallel capacitor. 3.Tolerance : includes set up tolerance, line regulation and load regulation. 4.Line regulation is mesured from low line to high line at rated load. 5.Load regulation is measured from low 0% to 100% rated load.	

■ BLOCK DIAGRAM



■ DERATING CURVE



■ STATIC CHARACTERISTICS

