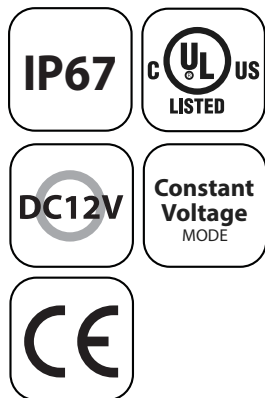


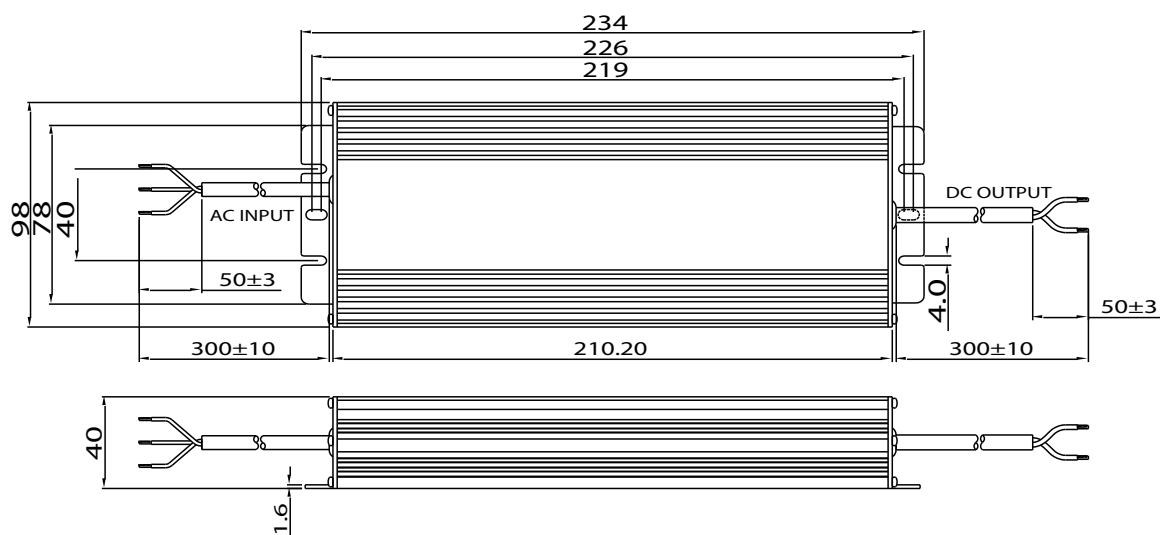
Characteristics



- **Constant Voltage design(C.V. mode)**
- AC input automatic voltage selection : 110-277V
- Protections:
 - Overload / Over voltage / Short circuit / Over temperature
- IP67 design for outdoor installations
- Dry, damp and wet locations
- Suitable for LED lighting and moving sign applications
- Surge immunity : Line-Line 5KV, Line-Earth 10KV
- High power factor >0.96(230Vac & full load)
- Metal case
- Class P power unit
- Safety standards : UL8750 recognized U.S and canada certified
- EMC standards : FCC Part 15

Physical

■ Dimension: unit(mm)

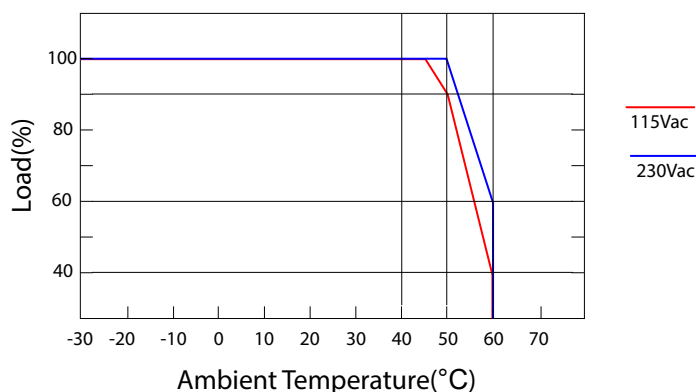


Dimension : 9.21" x 3.85" x 1.57" inch (LxWxH)
Weight : 3.85 lbs.

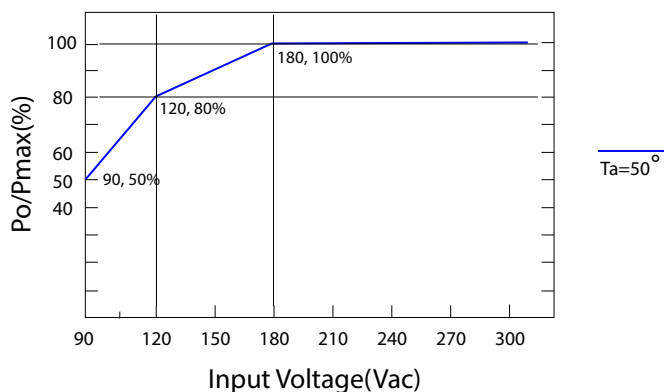
Other Characteristics

ITEM		LSV-320B012
INPUT	VOLTAGE RANGE	AC100~277V(min.90)
	FREQUENCY RANGE	50~60Hz
	EFFICIENCY(typ.)	91%
	AC CURRENT	4.0A Max. 110-277Vac & full load
	INRUSH CURRENT(typ.)	COLD START 75A/230VAC
	LEAKAGE CURRENT	0.75mA / 277VA/50Hz
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	16.67A
	RATED POWER	110Vac : 264W, 277Vac : 320W
	RIPPLE&NOISE(max.) Note1	6%
	OUTPUT OVERSHOOT	10%
	OUTPUT CURRENT TOLERANCE	±5%
	LINE REGULATION Note2	3%
	LOAD REGULATION Note3	3%
	TURN-ON DELAY TIME	3S/115Vac at full load, 3S/230Vac at full load
PROTECTION	SHORT CIRCUIT	The input power shall decrease when the output rail short, the power supply shall not be damaged
	OVER CURRENT	Hiccup mode: recovers automatically after fault condition is removed
	OVER VOLTAGE4	1.1-1.5 maximum load
	OVER TEMPERATURE	90±10°C(temp. Sensor) shuts off : recovers automatically after fault condition is removed
OTHERS	DIMENSION/WEIGHT	500*370*160 ~ 1750g/pcs
NOTE		1.Full load, Measured by 20 MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor. 2. 25°C±10°C ambient temperature, input voltage changes from 110Vac to 277Vac. 3. 25°C±10°C ambient temperature, 230Vac input, load changes from 50% to 100% 4. The product will enter hiccup status when 1.1-1.5 maximum load current applied to the output, and the product shall be self-recovery when the fault condition is removed.

DERATING CURVE

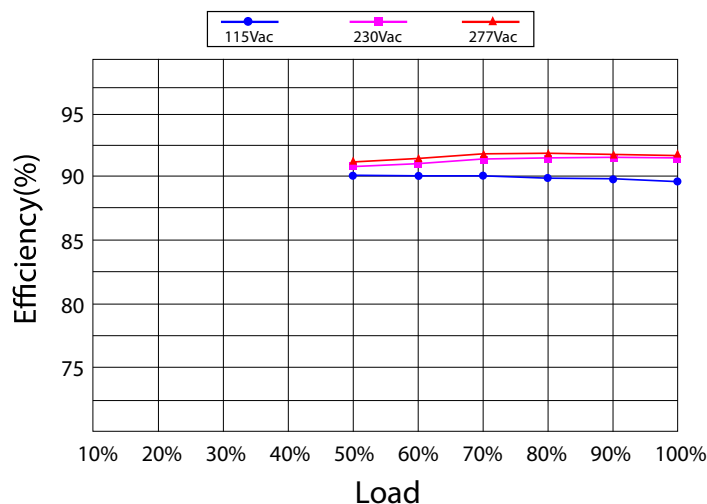


OUTPUT POWER VS INPUT VOLTAGE

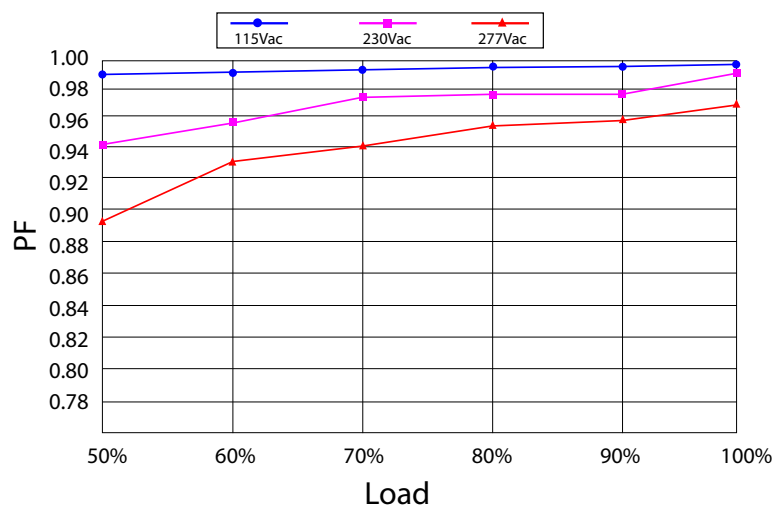


Other
Characteristics
(Continued)

■ EFFICIENCY VS LOAD



■ POWER FACTOR VS LOAD CURVE



■ TOTAL HARMONIC DISTORTION VS LOAD CURVE

