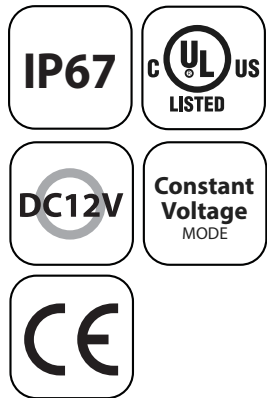


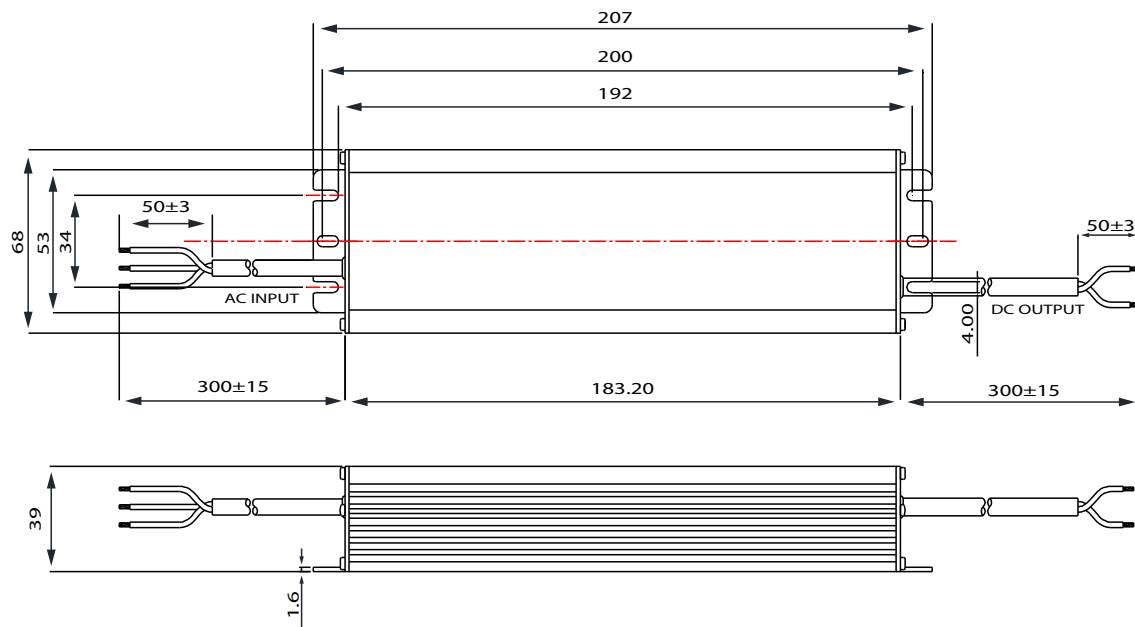
Characteristics



- **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)

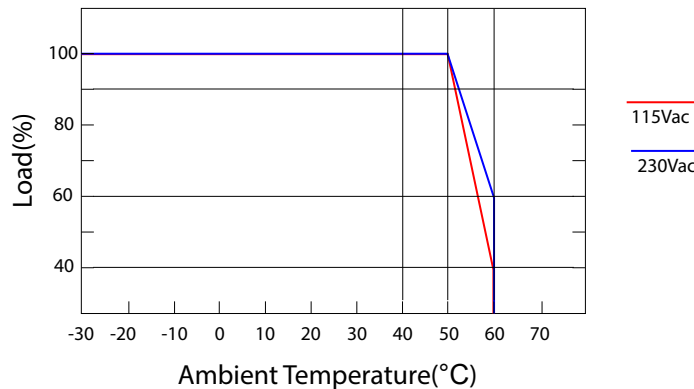


Dimension : 8.14" x 2.67" x 1.53" inch (LxWxH)
 Weight : 1.98 lbs.

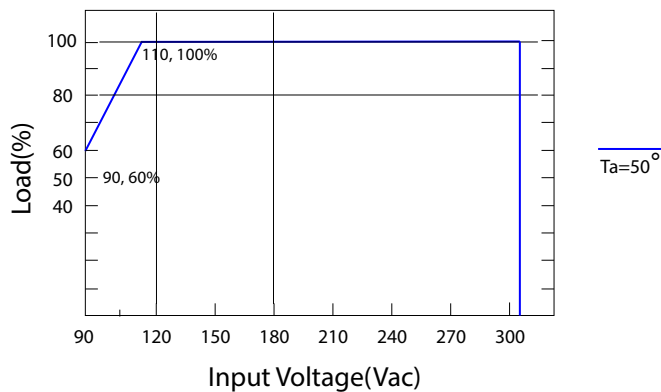
Other Characteristics

ITEM		LSV-150B012
INPUT	VOLTAGE RANGE	AC100~277V(min.90)
	FREQUENCY RANGE	50~60Hz
	EFFICIENCY(typ.)	91%
	AC CURRENT	2.0A Max. 110-277Vac & full load
	INRUSH CURRENT(typ.)	COLD START 75A/230VAC & full load
	LEAKAGE CURRENT	0.75mA / 277VA/50Hz
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	12.5A
	RATED POWER	150W
	RIPPLE&NOISE(max.) Note1	10%
	OUTPUT OVERSHOOT	10%
	OUTPUT CURRENT TOLERANCE	±5% full load
	LINE REGULATION Note2	1%
	LOAD REGULATION Note3	3%
	TURN-ON DELAY TIME	1S/115Vac at full load, 0.5S/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 VOLTAGE Note4	1.1-1.3 maximum load
	OVER TEMPERATURE	90±10°C(temp. Sensor) shuts off : recovers automatically after fault condition is removed
OTHERS	DIMENSION/WEIGHT	500*370*160mm ~ 900g/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 1.1-1.3 maximum load current applied to the output, and the product shall be self-recovery when the fault condition is removed.	

DERATING CURVE

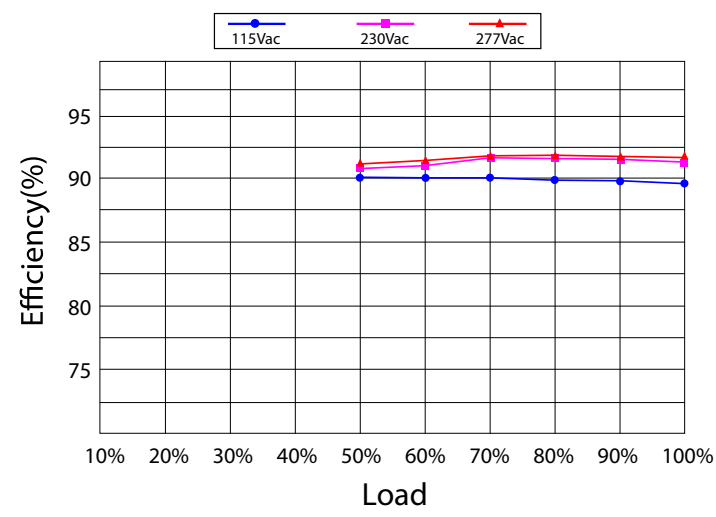


OUTPUT POWER VS INPUT VOLTAGE

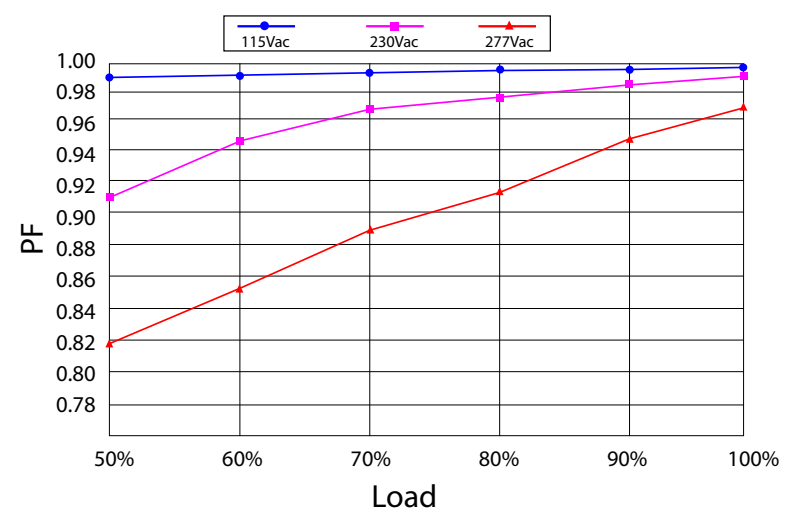


Other Characteristics
(Continued)

EFFICIENCY VS LOAD



POWER FACTOR VS LOAD CURVE



TOTAL HARMONIC DISTORTION VS LOAD CURVE

