

MOSO[®]

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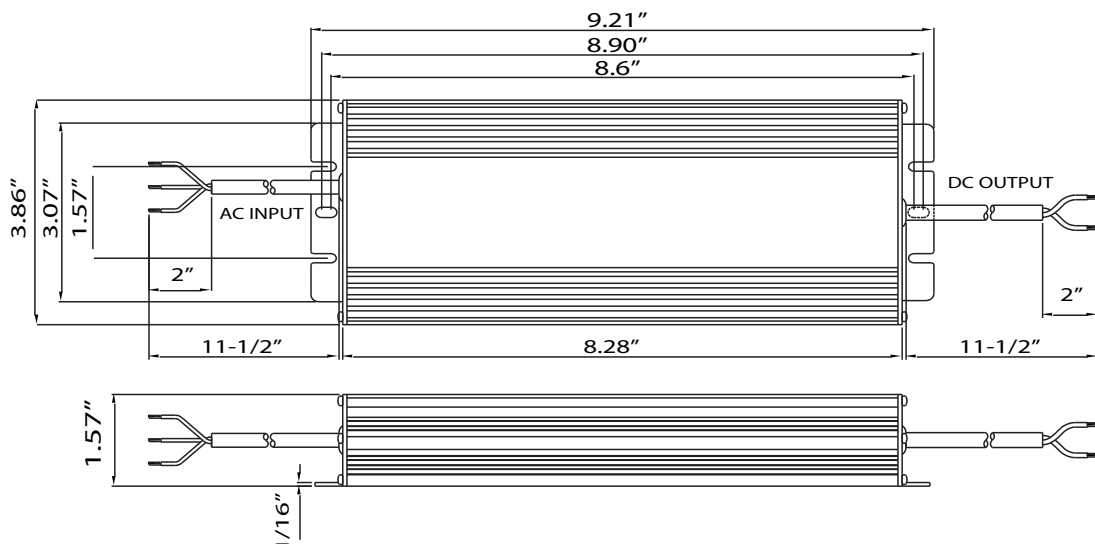


Characteristics

- **Constant Voltage Design (C.V. mode)**
- Protections:
 - Input surge
 - Output over current
 - Over voltage
 - Short circuit
 - Over temperature
- AC Input automatic voltage selection: 100-277Vac
- IP67 design for outdoor installations (Dry, damp, and wet locations)
- Suitable for LED lighting and moving sign applications
- Surge immunity: Line-Line 4KV, Line-Earth 6KV
- 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



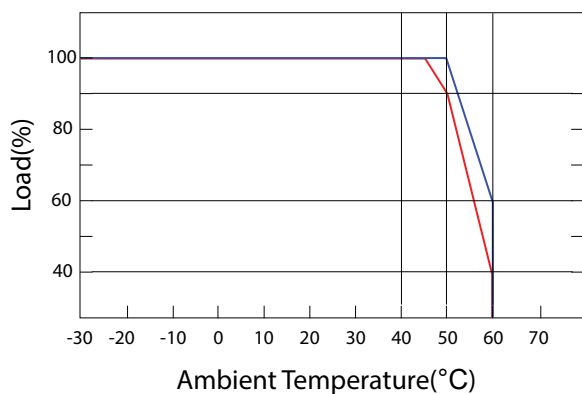
Dimension : 9.21" x 3.86" x 1.57" inch (LxWxH)

Weight : 3.85 lbs.

Technical Details

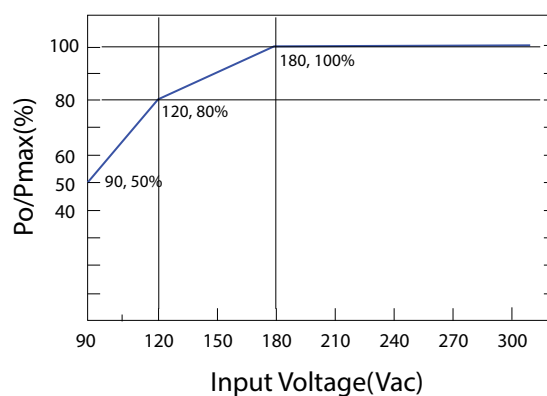
	ITEM	MS-LSV-320B012
INPUT	Voltage Range	AC 100~277V (Min. 90V)
	Frequency Range	50~60Hz
	Efficiency (Typ)	91%
	AC Current	4.0A Max. 100-277Vac & Full Load
	Inrush Current (Max.)	COLD START 75A/230VAC & Full Load
	Leakage Current	<0.75mA / 277VAC
OUTPUT	DC Voltage	12V
	Rated Current	22A~26.67A
	Rated Power	110Vac: 264W, 277Vac: 320W
	Ripple & Noise (max.) Note1	6%
	Output Overshoot	10%
	Output Current Tolerance	+/- 5% full load
	Line Regulation Note2	3%
	Load Regulation Note3	3%
PROTECTION	Turn-On Delay Time	3S/115Vac at full load, 3S/230Vac at full load
	Short Circuit	The input power shall decrease when the output rail short
	Over Current Note4	Hiccup mode: recovers automatically after fault condition is removed
	Over Voltage	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	9.21" * 3.86" * 1.57" (L*W*H) 3.85 Lb/pc
NOTE	1.	Full load, mesured by 20 MHz bandwidth oscilloscope and the output paralleled a 0.1F ceramic capacitor and a 10uF electrolytic capacitor
	2.	L25° C +/- 10°C ambient temperature, input voltage changes from 90 to 277Vac.
	3.	L25° C +/- 10°C ambient tempeature, 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 output, and the product shall be self-recovery when the fault when the fault condition is removed

■ DERATING CURVE



115Vac
230Vac

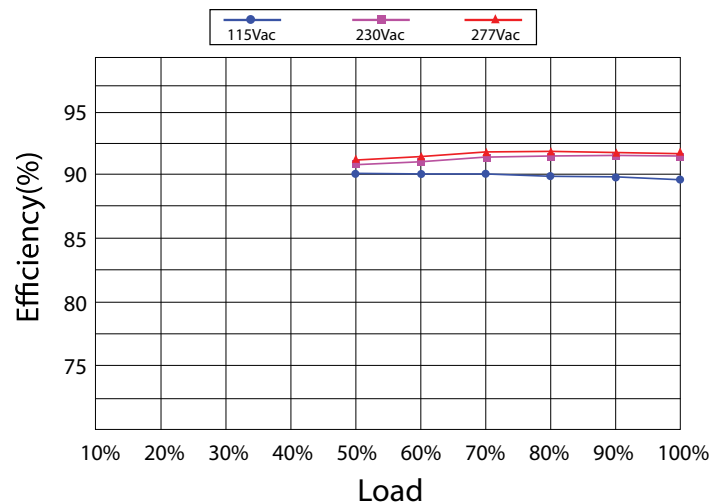
■ OUTPUT POWER VS INPUT VOLTAGE



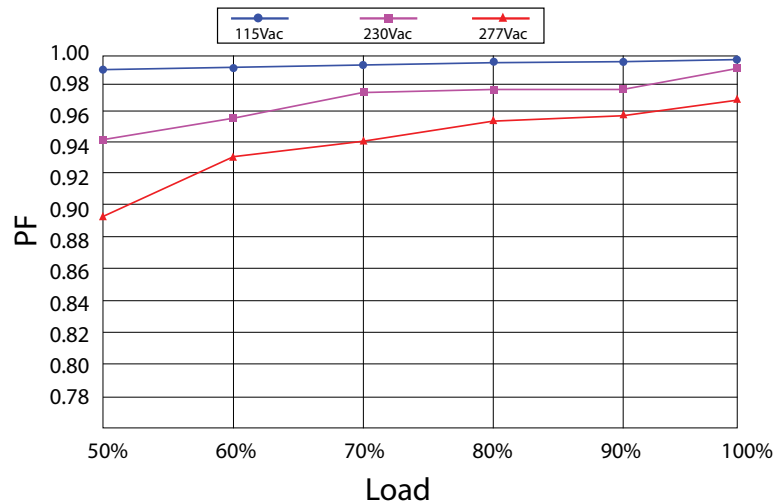
Ta=50°

Others Characteristics (Continued)

■ EFFICIENCY VS LOAD



■ POWER FACTOR VS LOAD CURVE



■ TOTAL HARMONIC DISTORTION VS LOAD CURVE

