

MOSO[®]

Distributed by Sunlux

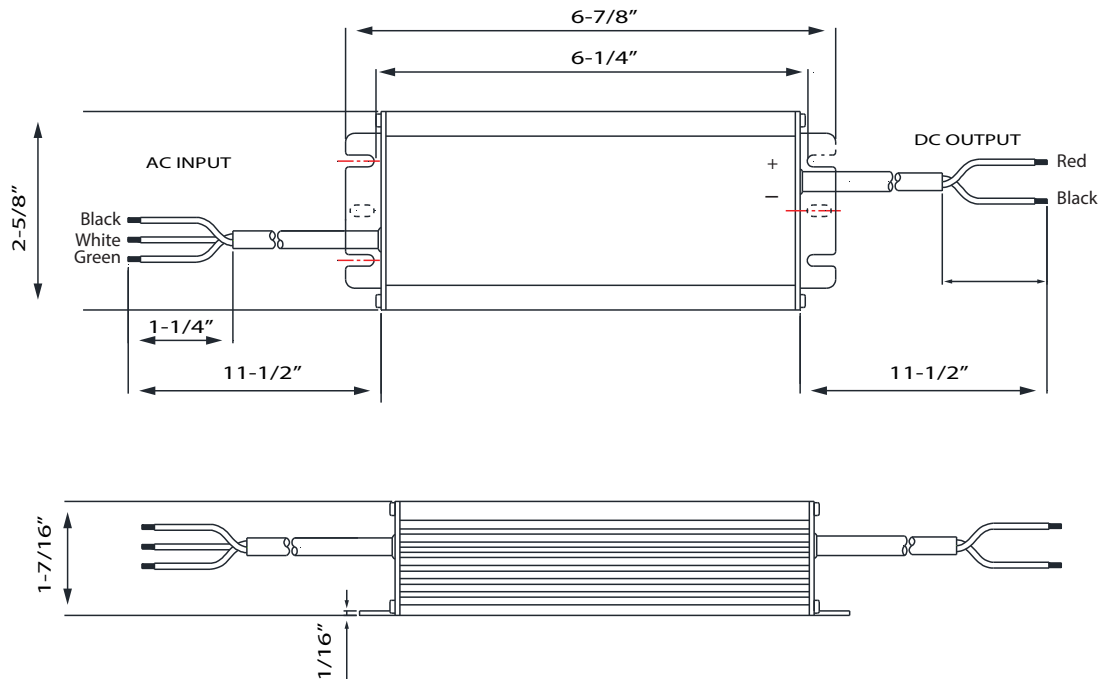


Characteristics

- **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 >0.95(277Vac & full load)
- Metal case
- Class II power unit
- Safety Standards: UL8750 recognized U.S and Canada Certified
- EMC Standards: FCC Part 15.



Physical

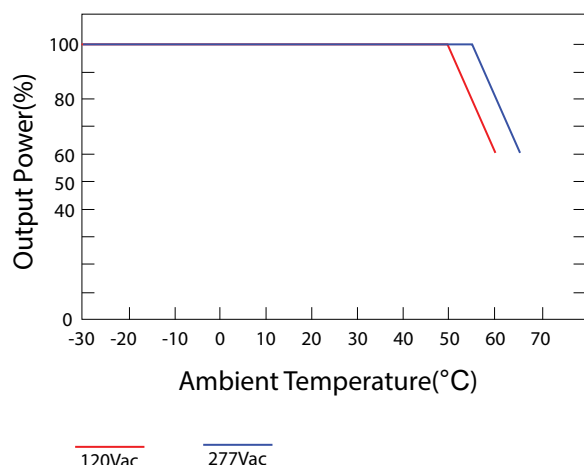


Dimension: Unit (In)
 6.88" x 2.63" x 1.44" Inch (LxWxH)
 Weight: 1Lb 10oz.

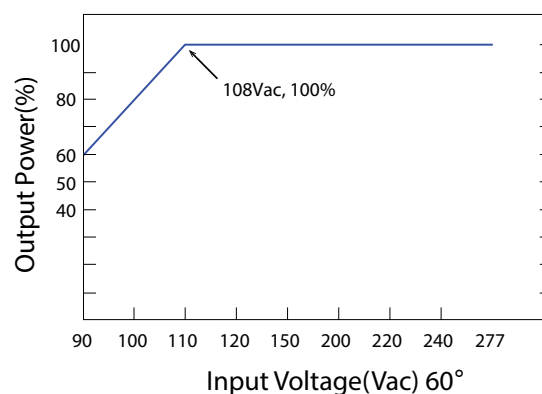
Technical Details

	ITEM	V2-120B012
INPUT	Voltage Range	AC 100~277V (Min. 90V)
	Frequency Range	47~63Hz
	Efficiency (Typ)	89%
	AC Current	1.6A Max. 100-277Vac & Full Load
	Inrush Current (Max.)	85A 277VAC 100% load
	Leakage Current	<0.70mA / 240VAC/60Hz
OUTPUT	DC Voltage	12V
	Rated Current	5A X 2(Channel)
	Rated Power	120W (60W/Channel)
	Ripple & Noise (max.) Note1	240mV
	Output Overshoot	5%
	Output Current Tolerance	+/- 5%
	Line Regulation Note2	1%
	Load Regulation Note3	2%
PROTECTION	Turn-On Delay Time	1S/120Vac at full load, 0.5S/277Vac at full load
	Short Circuit	Hiccup mode: recovers automatically after fault condition is removed
	Over Current Note4	Hiccup mode: recovers automatically after fault condition is removed
	Over Voltage	Hiccup mode
	Over Temperature	90°C (Temp. Sensor) Hiccup mode: output shall return to normal when faulty is removed
OTHERS	Dimension/Weight	6.88" * 2.63" * 1.44" (L*W*H) 1 Lb - 10oz/pc
NOTE	1. Full load, measured 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 100-277Vac.	
	3. L25° C +/- 10°C ambient temperature, 277 Vac input, load changes from 50% to 100%	
	4. The overcurrent protection value shall not exceed 2.7 times of the maximum load.	
	5. When the output voltage is over 110~140% rated load voltage, the driver shuts off automatically and enters protections status. The driver will work normally after fault condition removed and AC input re-apply.	

DERATING CURVE

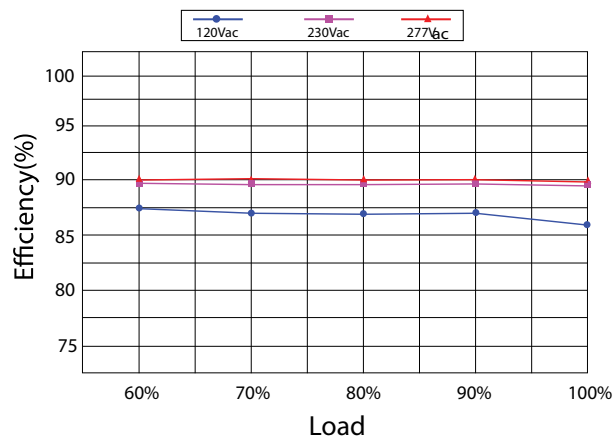


INPUT VOLTAGE VS LOAD

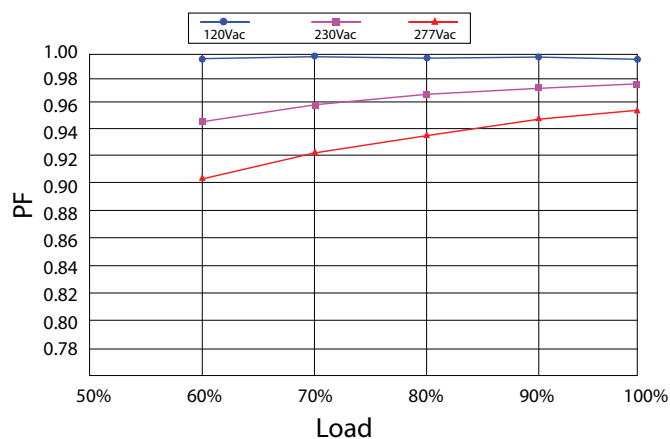


Others Characteristics (Continued)

■ EFFICIENCY VS LOAD



■ POWER FACTOR VS LOAD CURVE



■ TOTAL HARMONIC DISTORTION VS LOAD CURVE

