

## SUN-AL1216 SERIES

**Input: 100-240VAC/ 220-240VAC 50/60Hz**  
**Output Voltage: 12V /Rated Power: 18W max**

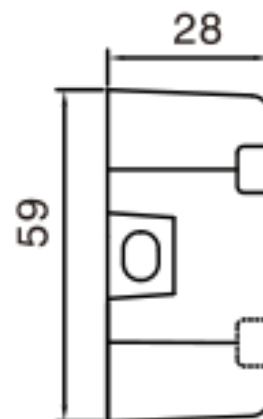
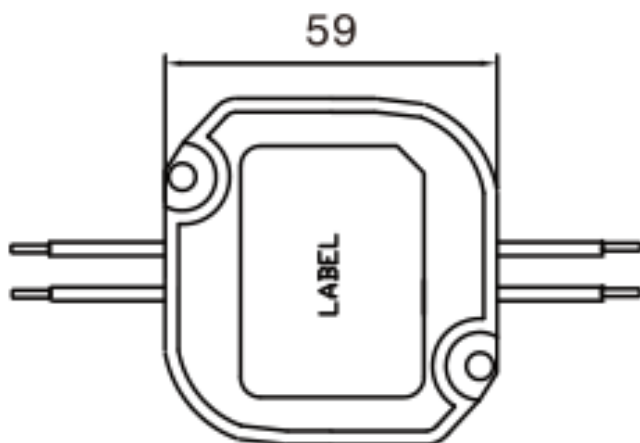


### Features

- Universal Input: 100-240VAC/ 220-240VAC 50/60Hz
- RoHS Compliance
- EMI Standard EN55015:2019+A11
- Safety Standard: EN61347-1:2015, EN61347-2-13:2014+A1:2017, UL8750
- Inrush current < 65A AC230V/50Hz
- High efficiency & low power consumption
- Short Circuit, Over Current and Over Voltage Protection
- Over temperature protection
- 100% full load burn-in test
- Dimming available



### ■ Dimensions and Installation

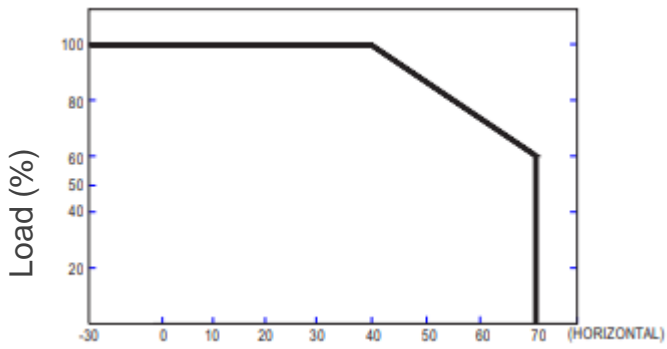


## SUN-AL1216 SERIES

MODEL DETAIL SPEC.		SUN-AL1216-12
INPUT	Input Voltage:	100-240VAC/ 220-240VAC
	Input Frequency:	50/60Hz
	Inrush Current:	65A/230VAC at full load
	AC Current:	0.12A/230VAC
	Leakage Current:	< 0.25mA/240VAC
	Efficiency:	80%
OUTPUT	DC Voltage:	12V
	Rated Current:	1500mA
	Rated Power:	18W
	Voltage Tolerance:	±5.0%
	Ripple and Noise:	120mVp-p
	Line Regulation:	±3%
	Load Regulation:	±5%
	Setup, Rise, Hold Up time:	1s, 10ms/60ms 230VAC 1000ms, 1ms/25ms 115VAC at full load
ENVIRONMENTAL	Operating Temperature:	-20 ~ +50 (Refer to "Derating Curve")
	Storage Temp:	-40°C ~ 85°C
	Storage Humidity:	20 ~ 95% RH
	Working Humidity:	20 ~ 95% RH non-condensing
PROTECTION	Over Load:	Above 130% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed
	Over Voltage:	12V:13.8 ~ 16.2V 24V:27.6 ~ 32.4V 36V:41~48.6V 48V:55.2V~64.8V Protection type: Shut down o/p voltage, re-power on to recover
	Over Temperature:	Shut down o/p voltage, re-power on to recover
	Safety Regulations:	EN61347-2-13:2014+A1:2017, EN61347-1:2015; EN62493:2015
SAFETY & EMC	Withstand Voltage:	I/P-O/P:3750KVAC
	Harmonic	EN61000-3-2 Class C EN61000-3-3
	EMI:	Compliance to EN55015
	EMS:	Compliance to 61547:2009
	MTBF:	200,000 Hours Minimum at Full Load at 25°C Ambient
OTHER	Size:	59*59*28mm
	Weight:	180g / pcs
	Packaging:	100PCS/CTN CTN SIZE: 45*28.5*32CM

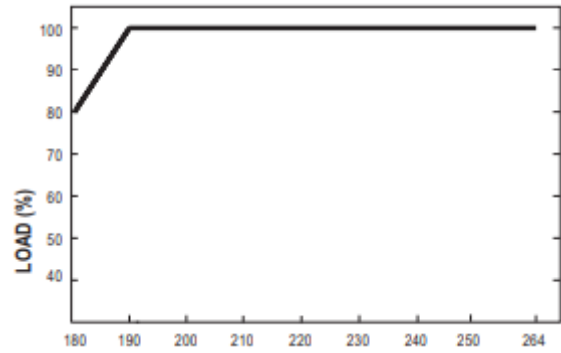
**SUN-AL1216 SERIES**

**Deduction curve and temperature**



Environment temperature(°C)

**Minus output and input voltage curves**



Input voltage(VAC)

**Functional Diagram**

