

## Features

- Input Voltage Range 100-240VAC/200-240VAC
- Working Temperature -20°C ~ +50°C
- Class II Protection Design
- Protection OVP, OLP, SCP
- Constant Voltage
- Triac Dimming



Certified to UKCA, CE, CB, RCM (C-Tick), TUV-GS, cURus, RoHS, REACH & IEC 61347-1/IEC 61347-2-13 Standards and complies with Efficiency Regulations. These are primarily used in LED Lighting Industries and customised solutions are available upon request.

### MODEL DETAIL SPEC.

Model Number	DC Voltage (V)	Rated Current (mA)	Rated Power (W)	Efficiency (%)	Ripple & Noise (mVp-p)
56YSL100D-1204160	12	4160	50	89	120
56YSL100D-2402080	24	2080	50		240
56YSL100D-3601380	36	1360	50		360
56YSL100D-4801040	48	10400	50		480

### Input Specifications

Input Voltage	00-240VAC
Frequency Range	50-60Hz
AC Current	0.4AMAX@Full Load
Inrush Current	<65 Amps at 230VAC/50Hz@full load
Leakage Current	0.56A/230VAC
THD (Full Load)	<20%
Unload Power Consumption (W)	<0.5
Power Factor	≥0.9@Full Load 220-240VAC

### Output Specifications

Voltage Tolerance	±5.0%
Line Regulation	±3.0%
Load Regulation	±5.0%
Set up, Rise, Hold up Time	1s, 10ms/60ms 230VAC 1000ms, 1ms/25ms 115VAC at full load

## Protection

Overload	Above 105%-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:41.4~48.6V 48V : 55.2~64.8V Protection type: Shut down o/p voltage, re-power on to recover
Short Circuit	Shut down o/p voltage, re-power on to recover

## Environmental Characteristics

Operating Temp TA	-20 ~ +50 (Refer to "Derating Curve")
Storage Temp	-40°C ~ +85°C
Maximum Case Temperature Tc	+85°C
Humidity	20 ~ 95% RH
Lifetime	>30000hours@ta 40°C

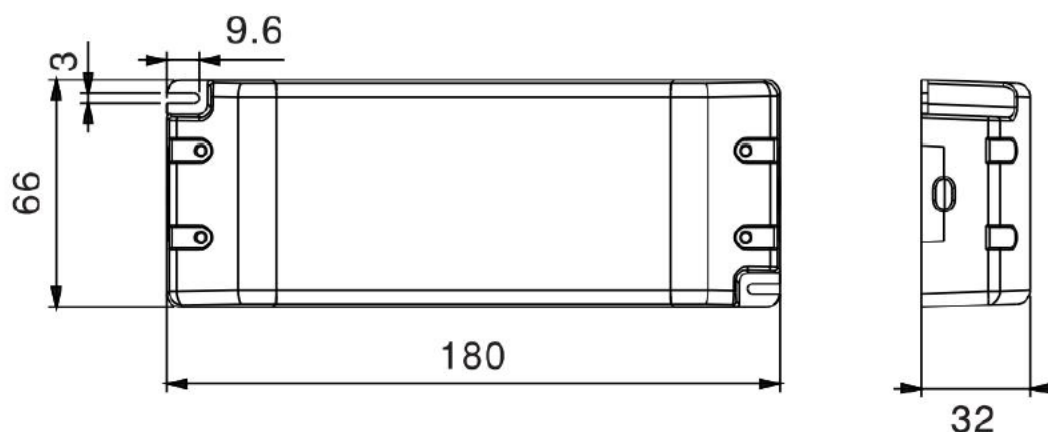
## Safety & EMC

Safety Standards	EN61347-2-13:2014+A1:2017,EN61347-1:2015;EN62493:2015
Withstand Voltage	I/P-O/P:3750KVAC
Harmonic	EN61000-3-2 Class C EN61000-3-3
EMI	Compliance to EN55015
EMS	Compliance to EN61547:2009

## Other

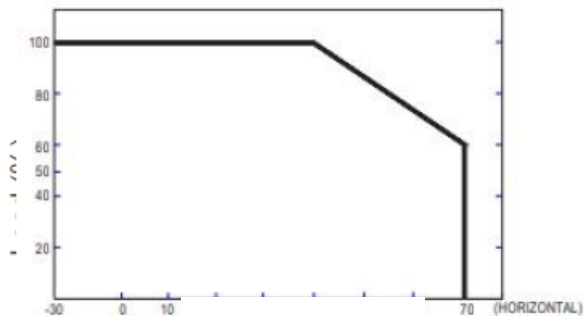
MTBF	200,000 Hours Minimum at Full Load at 25°C Ambient
Case Material and Size	Plastic
IP Grade	IP44
Size	180*66*32mm
Weight	320g / pcs
Packaging	100PCS/CTN,37.5*28.5*24cm

## Dimensions and Installation



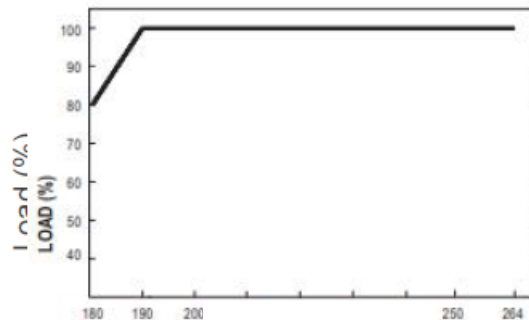
## Curves

Deduction Curve and Temperature



Environment temperature(°C)

Minus Output and Input Voltage Curves



Input voltage(VAC)

## Wiring Diagram

