

Features

- Input Voltage Range 220~240V AC
- Working Temperature -20°C ~ +45°C
- Class II Protection Design
- Protection OVP, OLP, SCP
- Constant Voltage



Certified to UKCA, CE, TUV-GS, 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.

Models

Model Number	DC Voltage (V)	Rated Current (mA)	Rated Power (W)	Efficiency (%)	Ripple & Noise (mVp-p)
56YSL100-1208330	12	8.33	100		
56YSL100-2404160	24	4.16	100	92	200
56YSL100-3602770	36	2.77	100		
56YSL100-4802080	48	2.08	100		

Input Specifications

Input Voltage	220-240VAC
Frequency Range	50-60Hz
AC Current	0.6AMAX@Full Load
Inrush Current	<65 Amps at 230VAC/50Hz@full load
Leakage Current	< 0.25mA/240VAC
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	Yes , Protection type: Auto Restore Protection type: Hiccup mode, recovers automatically after fault condition is removed
Over Voltage	Yes , Protection type: Auto Restore Protection type: Shut down o/p voltage, re-power on to recover
Short Circuit	Yes , Protection type: Auto Restore

Environmental Characteristics

Operating Temp TA	-20 ~ +45 (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

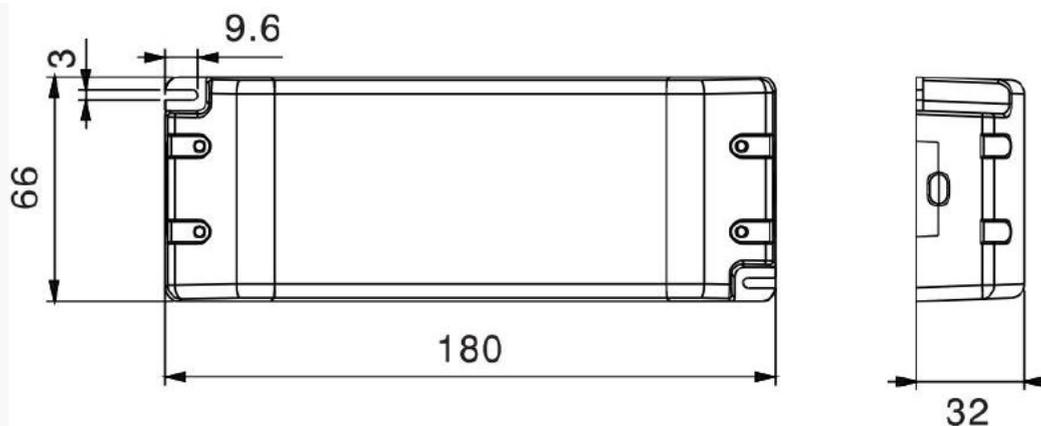
Safety & EMC

Safety Standards	EN61347-2-13:2014+A1:2017,EN61347-1:2015+A1:2021;EN62493:2015
Withstand Voltage	I/P-O/P:3750VAC
Harmonic	EN61000-3-2 Class C EN61000-3-3
EMI	Compliance to EN55015
EMS	Compliance to EN61547:2009

Other

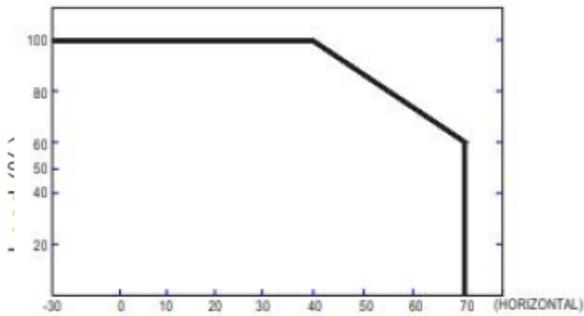
MTBF	200,000 Hours Minimum at Full Load at 25°C Ambient
Case Material and Size	Plastic
IP Grade	IP20
Size	180*66*32mm
Weight	320g / pcs
Packaging	100PCS/CTN

Dimensions and Installation

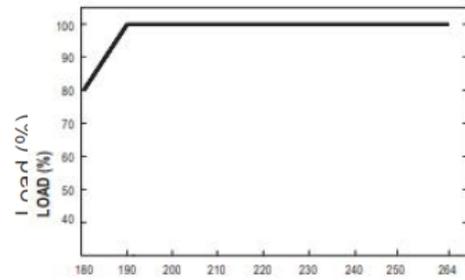


Curves

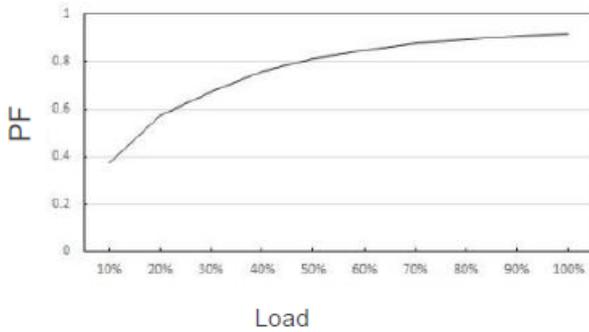
Deduction Curve and Temperature



Minus Output and Input Voltage

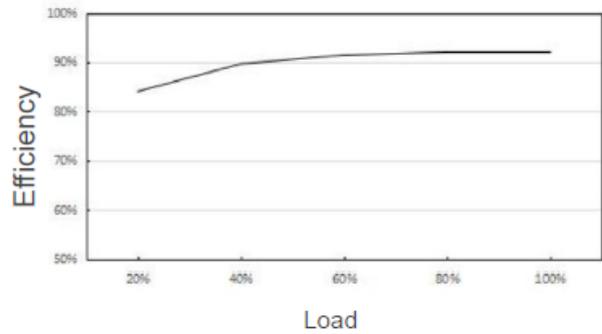


Environment temperature(°C)
Power Factor curves



Input voltage(VAC)

Efficiency Vs Load



AC – DC

Wiring Diagram

