

Features

- Ultra-thin Design
- Constant Voltage (CV)
- Input Voltage Range 220~240V AC
- Protection OVP, OLP, SCP
- Working Temperature -20°C ~ +45°C
- Class II Protection Design
- Flicker-free Design
- IP20



Certified to TUV-GS, RoHS, REACH & IEC 61347-1/IEC 61347-2-13 Standards and complies with the relevant Efficiency Regulations. These are primarily used in LED Lighting Industries and customised solutions are available upon request.

6W Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)	Ripple & Noise (mVp-p)
56YSL12F-1200500	12	0.5	6	68	400
56YSL12F-2402500	24	0.25	6	68	400

12W Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)	Ripple & Noise (mVp-p)
56YSL12F-1201000	12	1	12	85	400
56 YSL12F-2400500	24	0.5	12	85	400

Input Specifications

Input Voltage	220-240VAC/198-264VAC	
Frequency Range	50-60Hz	
AC Current	0.1AMAX@Full Load	6W
	0.2AMAX@Full Load	12W
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	≥0.7@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 @ full load

Protection

Overload	Protection type: Auto restore
	Protection type: Hiccup mode, recovers automatically after fault condition is removed.
Over Voltage	Protection type: Auto Restore
	Protection type: Shut down o/p voltage, re-power on to recover
Short Circuit	Protection type: Auto Restore

Environmental Characteristics

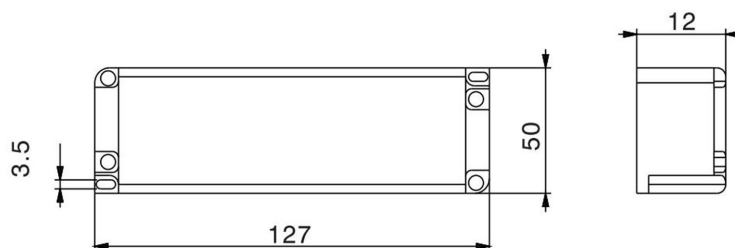
Operating Temp TA	-20°C ~ +45°C
Storage Temp	-40°C ~ +85°C
Maximum Case Temperature Tc	+85°C
Humidity	20 ~ 95% RH
Lifetime	>30000hours@ta 40°C

Safety & EMC

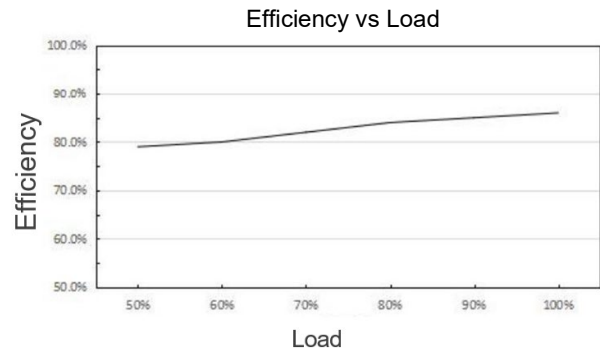
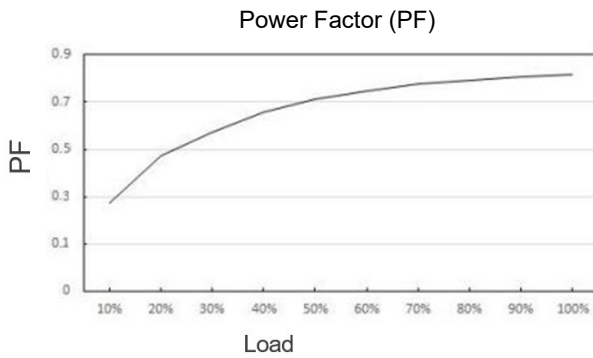
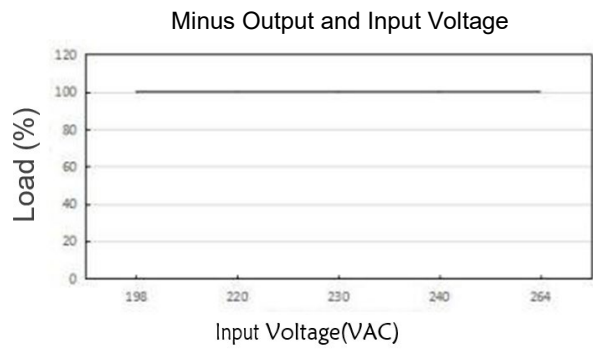
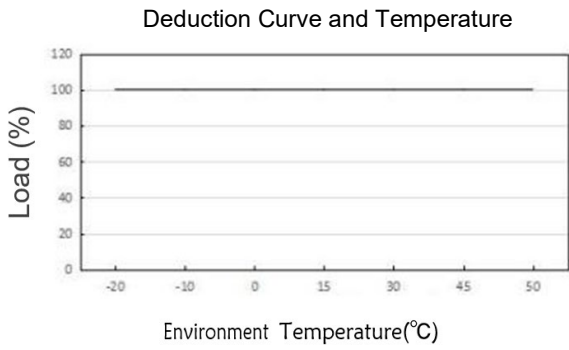
Safety Standards	EN61347-2-13:2014+A1:2017, EN61347-1:2015+A1:2021,EN62493:2015
Withstand Voltage	I/P-O/P:3750VAC
Harmonic	EN61000-3-2 Class C EN61000-3-3
EMI	Compliance to EN55015
EMS	Compliance to EN61547:2009

Other

MTBF	200,000 Hours Minimum at Full Load at 25°C Ambient
Case Material and Size	Plastic
IP Grade	IP20
Size	127*50*12mm
Weight	50g / pcs
Packaging	100PCS/CTN,36*28.5*25cm

Dimensions and Installation


Curves



Wiring Diagram

