

Features

- Compact Size
- Constant Voltage (CV)
- Input Voltage Range 220~240V AC
- Protection OVP, OLP, SCP
- Working Temperature -20°C ~ +45°C
- Class II Protection Design
- Typical Efficiency 88%
- 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.

15W Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)	Ripple & Noise (mVp-p)
56YSL20F-1201250	12	1.25	15	88	400
56YSL20F-2400625	24	0.75	15	88	400

20W Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)	Ripple & Noise (mVp-p)
56YSL20F-1201670	12	1.67	20	88	400
56YSL20F-2400833	24	0.833	20	88	400

Input Specifications

Input Voltage	220-240VAC/198-264VAC
Frequency Range	50-60Hz
AC Current	0.3AMAX@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	≥0.7@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

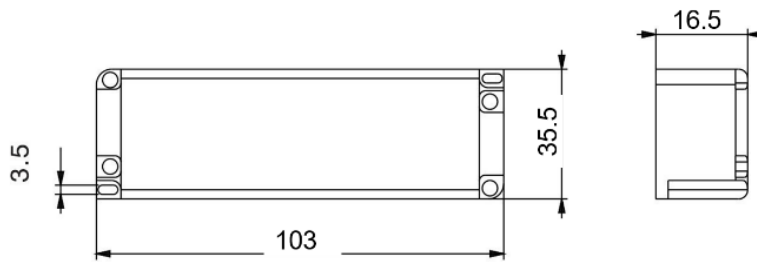
Safety & EMC

Safety Standards	EN61347-2-13:2014+A1:2017, EN61347-1:2015; 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

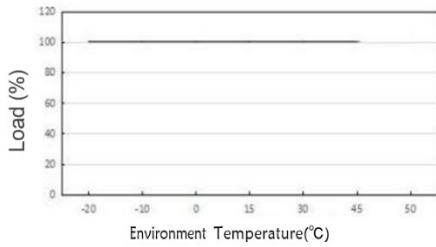
MTBF	200,000 Hours Minimum at Full Load at 25°C Ambient
Case Material and Size	Plastic
IP Grade	IP20
Size	103*35.5*16.5mm
Weight	85g / pcs
Packaging	100PCS/CTN,27.5*24*22cm

Dimensions and Installation

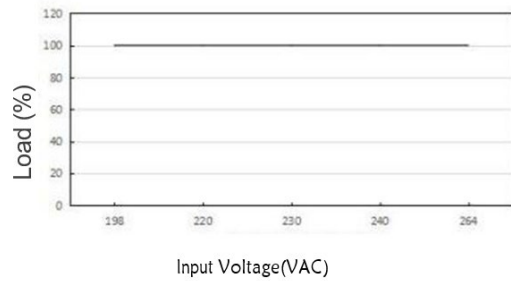


Curves

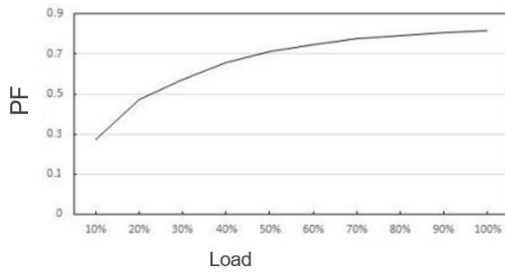
Deduction curve and Temperature



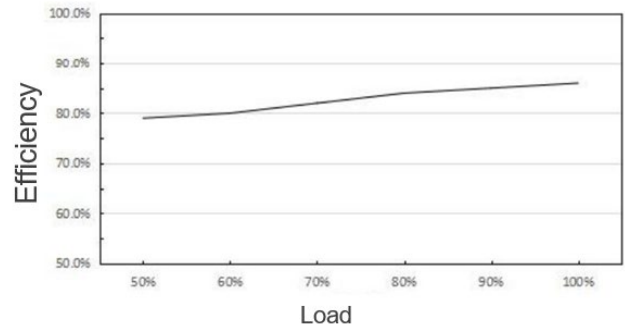
Minus Output and Input Voltage curves



Power Factor (PF) Curves



Efficiency vs Load



Wiring Diagram

