

Features

Input voltage 220~240V AC

Fully isolated Plastic Enclosure
Class II

Approved to UKCA, CE, TUV, RoHS,
REACH

EN 61347-1/EN 61347-2-13 Safety
Approved

Working Temperature -20°C ~ +45°C

Typical Efficiency 86%



56YSL75T-xy-RS Series

75W AC/DC LED Power supply series



Certified to UKCA, CE, TUV, RoHS, REACH & EN 61347-1/EN 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.

Model Number Information

56YSL 75 xy

Series Name Rated Wattage Output Voltage

Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)	Ripple & Noise(max) (mVp-p)
56YSL75T-1206250-RS	12	6.25	75	86	400
56YSL75T-2403125-RS	24	3.125	75	86	400
56YSL75T-3602080-RS	36	2.08	75	86	400
56YSL75T-4801560-RS	48	1.56	75	86	400

Input Specifications	
Input Voltage	220-240VAC
AC Current	0.5AMAX at full load
Inrush Current	< 65A at 230VAC/50Hz at full load
Leakage Current	< 0.25mA/220VAC
THD (full load)	<20%
Unload Power Consumption	<0.5W
Power Factor	≥0.995@Full load 220~240V AC

Output Specifications	
Voltage Tolerance	±5%
Line Regulation	±3%
Load Regulation	±5%
Set up, Rise Time, hold up time	1s, 20ms/60ms 2030VAC at full load

Protection	
Over Load	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	
Working Temp	-20°C~+45°C
Humidity	20~95%RH
Storage Temp	-40°C~+85°C
Max Case Temperature	+85°C
Lifetime	>30000hours@ta 40°C

Safety & EMC	
Safety Regulations:	EN61347-2-12:2014+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 Specifications

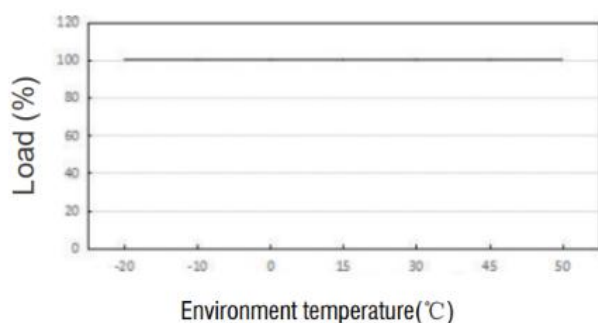
MTBF	200,000 Hours Minimum at full load at 25°C ambient
Case Material	Plastic
IP Grade	IP20
Size	305x30x17mm
Weight	150g/ pcs
Packaging	100pcs

Notes:

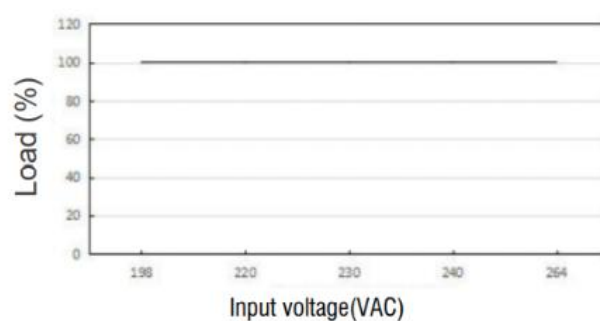
1. All parameters without special description are measured under the conditions of input 230VAC, rated load, ambient temperature 25 ° C, and ambient humidity less than 75%.
2. Ripple & noise are measured from peak to peak with a bandwidth limit of 20MHz(0.1uf and 47uf /50V parallel capacitor under DC output full load, AC nominal input 25 °C ambient temperature).
3. Tolerance: includes set up tolerance, line and load regulation.
4. Derating may be needed under low input voltages. Please check the derating curve for more details.
5. The power supply is considered a component which will be installed into the final equipment. The final equipment must be confirmed to meet EMC directives. For guidance on performing these EMC tests, please refer to "EMI testing of component power supplies."
6. The ambient temperature derating of 3.5°C/1000m is needed for operating altitude greater than 2000m(6500ft).

Derating Curves

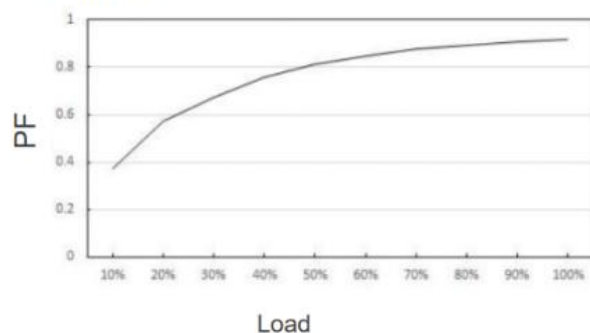
Deduction Curve and Temperature



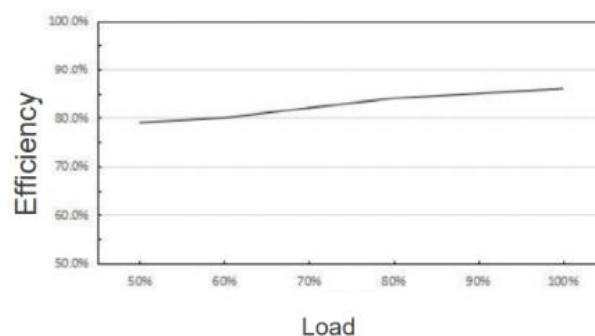
Minus Output and Input Voltage Curves



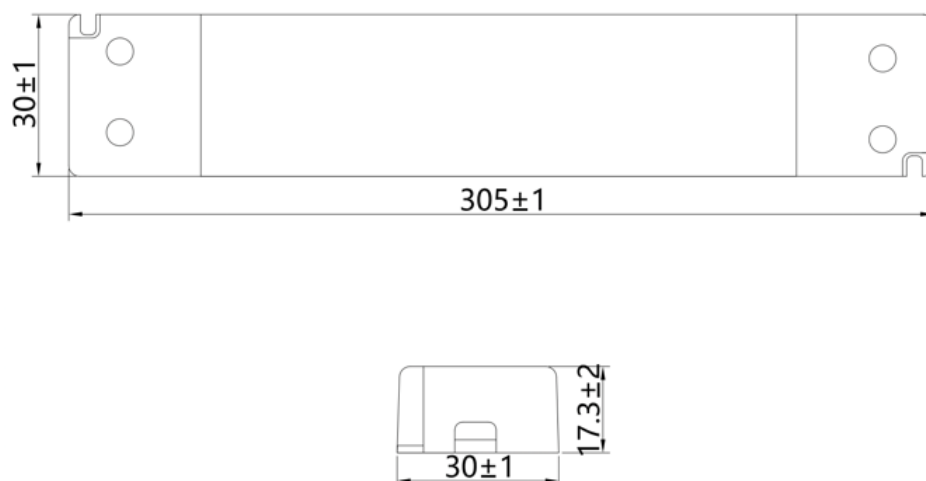
Power Factor (PF) Curves



Efficiency Vs Load



Dimensions and Recommended Layout



Wiring Diagram



