

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 the relevant 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) |
|-----------------|----------------|--------------------|-----------------|----------------|------------------------|
| 56YSL15-1201250 | 12 | 1.25A | 15 | 88 | 400 |
| 56YSL15-2400625 | 24 | 0.625A | 15 | | 400 |

Input Specifications

| | |
|------------------------------|-----------------------------------|
| Input Voltage | 220-240VAC |
| 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 | 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 |

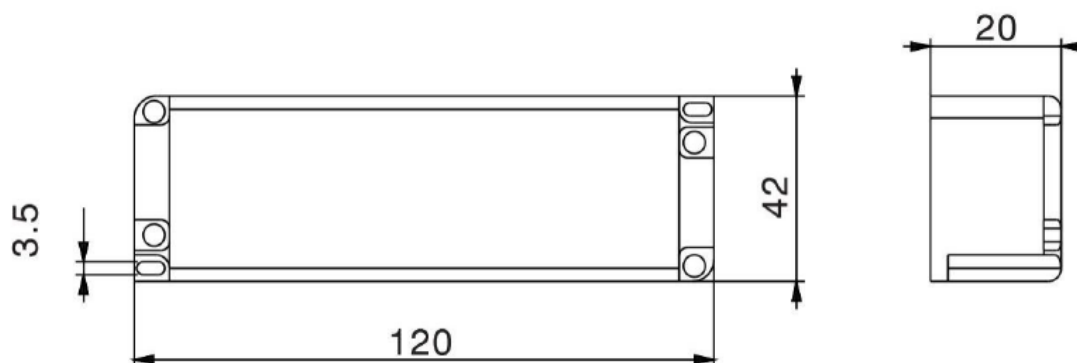
Safety & EMC

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

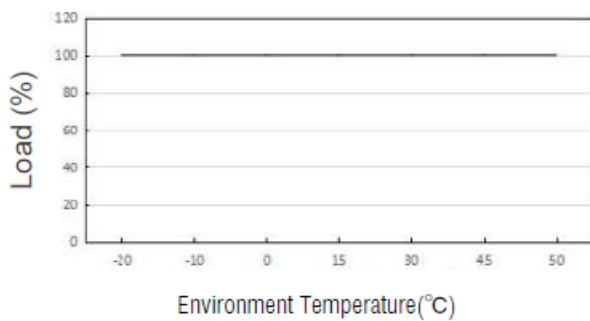
| | |
|------------------------|----------------------------------------------------|
| MTBF | 200,000 Hours Minimum at Full Load at 25°C Ambient |
| Case Material and Size | Plastic |
| IP Grade | IP20 |
| Size | 120*42*20mm |
| Weight | 140g / pcs |
| Packaging | 100PCS/CTN |

Dimensions and Installation

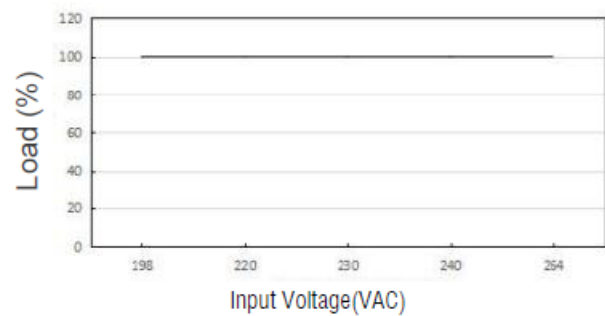


Curves

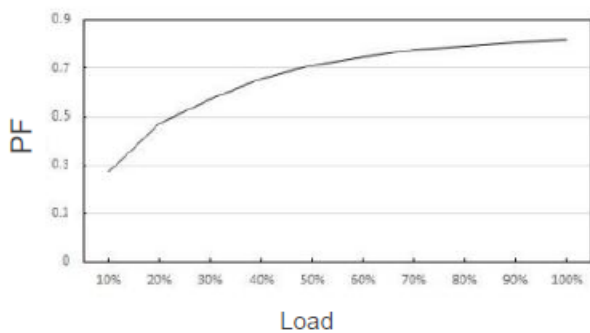
Deduction Curve and Temperature



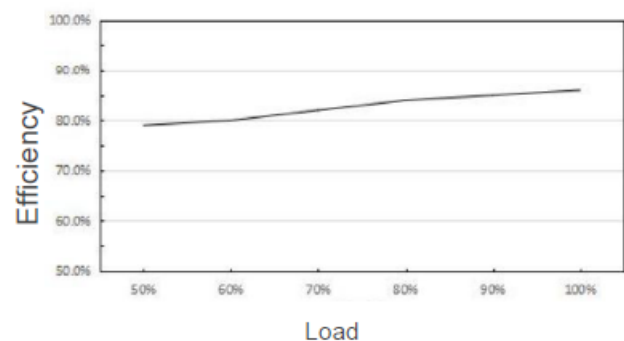
Minus Output and Input Voltage Curves



Power Factor (PF) Curves



Efficiency Vs Load



Wiring Diagram

