

## 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
- 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.

### 30W Models

| Model Number    | DC Voltage (V) | Rated Current (A) | Rated Power (W) | Efficiency (%) | Ripple & Noise (mVp-p) |
|-----------------|----------------|-------------------|-----------------|----------------|------------------------|
| 56YSL30-1202500 | 12             | 2.5               | 30              | 88             | 400                    |
| 56YSL30-2401250 | 24             | 1.25              | 30              | 88             | 400                    |
| 56YSL30-3600830 | 36             | 0.83              | 30              | 88             | 400                    |
| 56YSL30-4800625 | 48             | 0.625             | 30              | 88             | 400                    |

### Input Specifications

|                              |                                   |
|------------------------------|-----------------------------------|
| Input Voltage                | 220-240VAC/198-264VAC             |
| Frequency Range              | 50-60Hz                           |
| AC Current                   | 0.4AMAX@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 @ 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 |

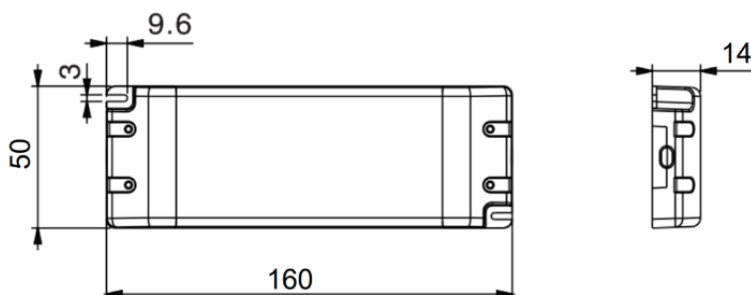
## Safety & EMC

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| 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

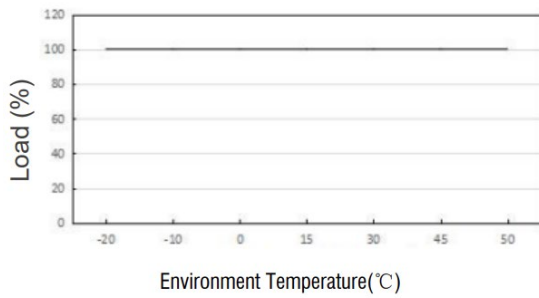
|                        |                                                    |
|------------------------|----------------------------------------------------|
| MTBF                   | 200,000 Hours Minimum at Full Load at 25°C Ambient |
| Case Material and Size | Plastic                                            |
| IP Grade               | IP20                                               |
| Size                   | 160*50*14mm                                        |
| Weight                 | 175g / pcs                                         |
| Packaging              | 50PCS/CTN,35*14.5*35cm                             |

## Dimensions and Installation

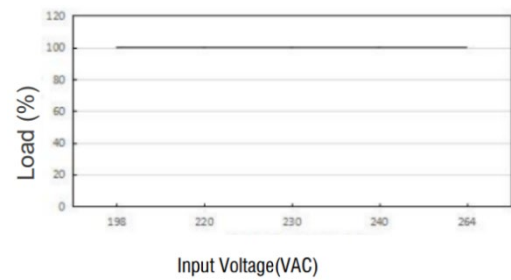


## Curve

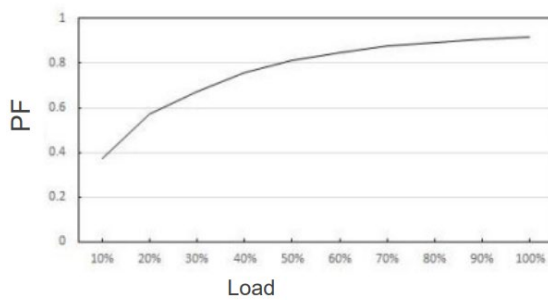
Deduction curve and Temperature



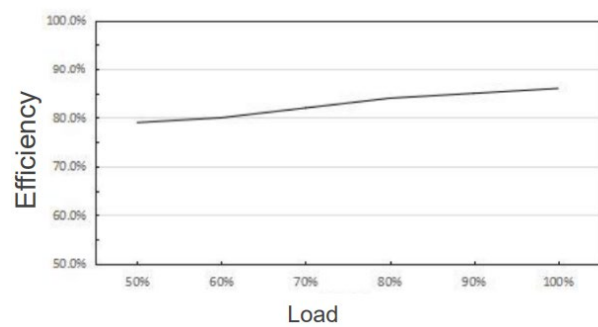
Minus Output and Input Voltage Curves



Power factor (PF)



Efficiency vs Load



## Wiring Diagram

