

## YSCL360-360W SERIES



**Input: 220-240V 50/60Hz**  
**Output Voltage: 12V,24V,36V,48V**  
**Rated Power: 360W max**

### Features

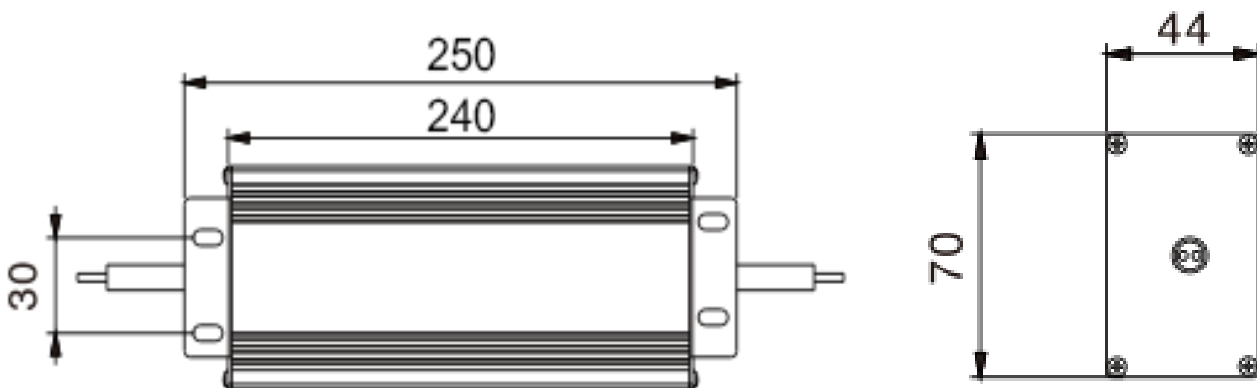
- Independent Power Supply
- flicker-free Design
- Primary and secondary sides come with leads
- Protections: Over Voltage, Overload, Short Circuit
- Class II Protection Design
- ERP :EU2019/2020
- IP67
- Dimming available



### Application

LED lights bring  
LED indoor lighting  
LED decorative lighting  
LED building lighting

### ■ Dimensions and Installation

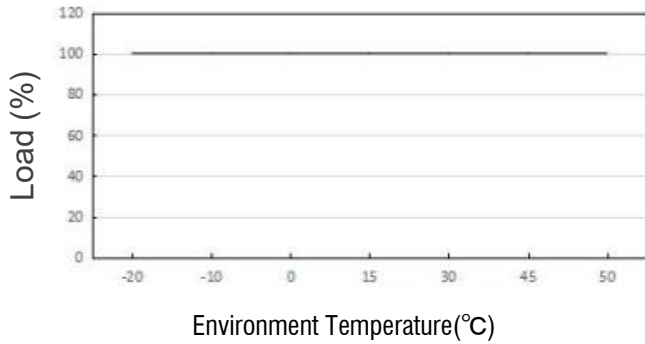


## YSCL360-360W SERIES

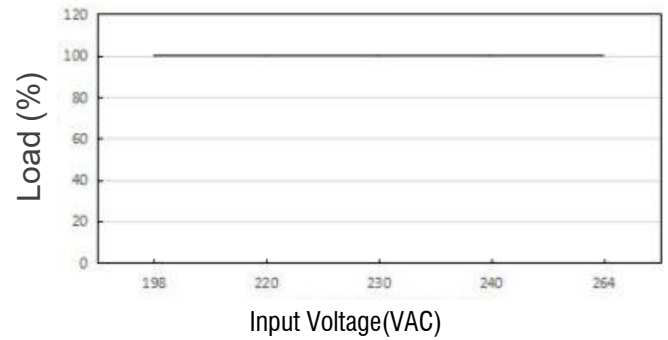
| MODEL DETAIL SPEC. |                              | YSCL360-12030000                                                                      | YSCL360-24015000 | YSCL360-36010000 | YSCL360-48007500 |
|--------------------|------------------------------|---------------------------------------------------------------------------------------|------------------|------------------|------------------|
| INPUT              | Input Voltage:               | 220-240VAC                                                                            |                  |                  |                  |
|                    | Range of Input Voltage:      | 198-264VAC                                                                            |                  |                  |                  |
|                    | Input Frequency:             | 50/60Hz                                                                               |                  |                  |                  |
|                    | Input Current:               | 2AMAX@Full Load                                                                       |                  |                  |                  |
|                    | Inrush Current:              | < 65 Amps at 230VAC/50Hz@full load                                                    |                  |                  |                  |
|                    | Leakage Current:             | < 0.25mA/240VAC                                                                       |                  |                  |                  |
|                    | THD (Full load):             | < 20%                                                                                 |                  |                  |                  |
|                    | Unload Power Consumption:    | < 0.5W                                                                                |                  |                  |                  |
|                    | Efficiency:                  | 92%                                                                                   |                  |                  |                  |
|                    | Power Factor:                | ≥ 0.95@Full Load 220-240VAC                                                           |                  |                  |                  |
| OUTPUT             | DC Voltage:                  | 12V                                                                                   | 24V              | 36V              | 48V              |
|                    | Rated Current(Max):          | 30A                                                                                   | 15A              | 10A              | 7.5A             |
|                    | Rated Power(Max):            | 360W                                                                                  | 360W             | 360W             | 360W             |
|                    | Voltage Tolerance:           | ±5%                                                                                   |                  |                  |                  |
|                    | Ripple and Noise:            | 400mVp-p                                                                              | 400mVp-p         | 400mVp-p         | 400mVp-p         |
|                    | Line Regulation:             | ±3%                                                                                   |                  |                  |                  |
|                    | Load Regulation:             | ±5%                                                                                   |                  |                  |                  |
|                    | Setup, Rise, Hold Up Time:   | 1s, 10ms/60ms 230VAC @ full load                                                      |                  |                  |                  |
| ENVIRONMENTAL      | Operating Temperature 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                                                                   |                  |                  |                  |
| 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                                                   |                  |                  |                  |
| SAFETY & EMC       | Safety Regulations:          | 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:      | Aluminium                                                                             |                  |                  |                  |
|                    | IP Grade:                    | IP67                                                                                  |                  |                  |                  |
|                    | Size:                        | 250*70*44mm                                                                           |                  |                  |                  |
|                    | Weight:                      | 600g / pcs                                                                            |                  |                  |                  |
|                    | Packaging:                   | 20PCS/CTN                                                                             |                  |                  |                  |

## YSCL360-360W SERIES

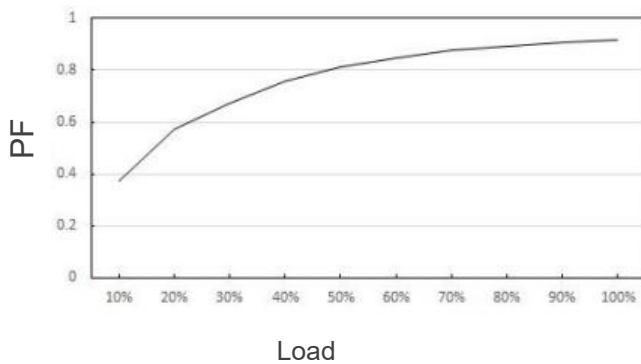
### Deduction Curve and Temperature



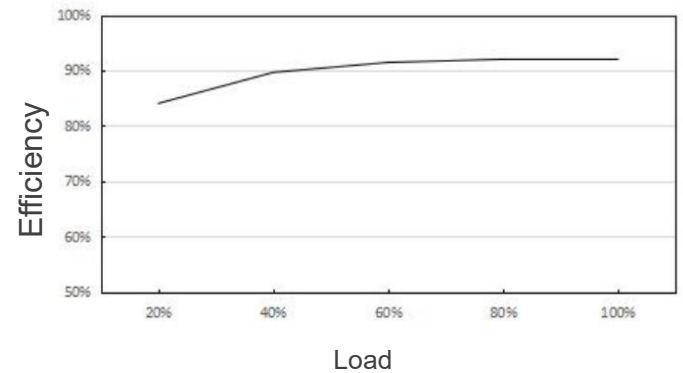
### Minus Output and Input Voltage Curves



### Power Factor (PF) Curves



### Efficiency Vs Load



### Wiring Diagram

