

## YSCL100-100W SERIES

**Input: 220-240V 50/60Hz**  
**Output Voltage: 12V,24V,36V,48V**  
**Rated Power: 100W max**

### Features

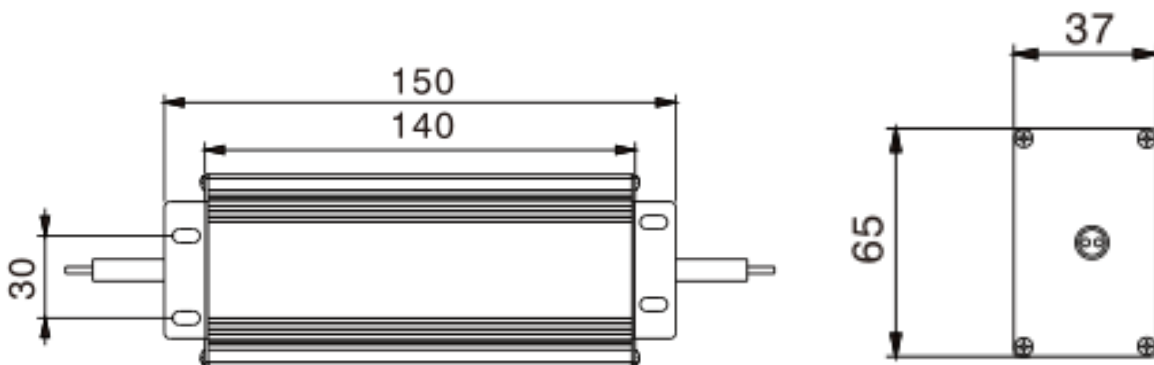
- Independent Power Supply
- flicker-free Design
- Primary and secondary sides come with leads
- Protections: Over Voltage, Overload, Short Circuit
- Class II Protection Design
- ERP :EU2019/2020
- IP67
- Dimming available

### Application

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



### ■ Dimensions and Installation

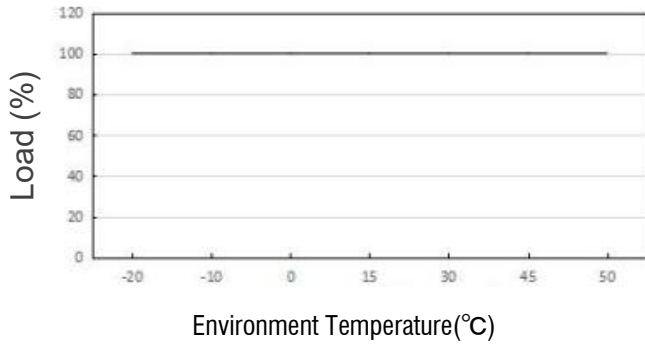


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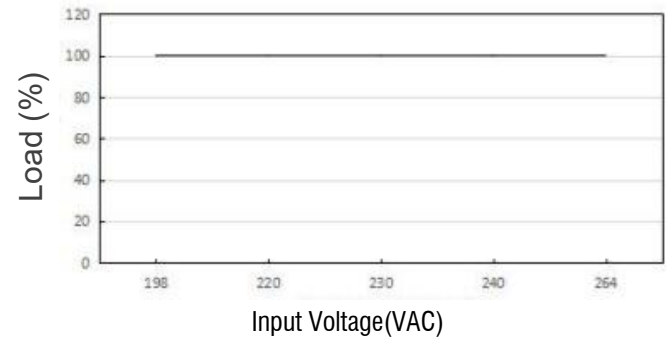
| MODEL DETAIL SPEC. |                              | YSCL100-1208330                                                                       | YSCL100-2404160 | YSCL100-3602770 | YSCL100-4802080 |
|--------------------|------------------------------|---------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
| INPUT              | Input Voltage:               | 220-240VAC                                                                            |                 |                 |                 |
|                    | Range of Input Voltage:      | 198-264VAC                                                                            |                 |                 |                 |
|                    | Input Frequency:             | 50/60Hz                                                                               |                 |                 |                 |
|                    | Input Current:               | 0.6AMAX@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:                | ≥0.9@Full Load 220-240VAC                                                             |                 |                 |                 |
| OUTPUT             | DC Voltage:                  | 12V                                                                                   | 24V             | 36V             | 48V             |
|                    | Rated Current(Max):          | 8.33A                                                                                 | 4.16A           | 2.77A           | 2.08A           |
|                    | Rated Power(Max):            | 100W                                                                                  | 100W            | 100W            | 100W            |
|                    | 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:                        | 150*65*37mm                                                                           |                 |                 |                 |
|                    | Weight:                      | 450g / pcs                                                                            |                 |                 |                 |
|                    | Packaging:                   | 20PCS/CTN                                                                             |                 |                 |                 |

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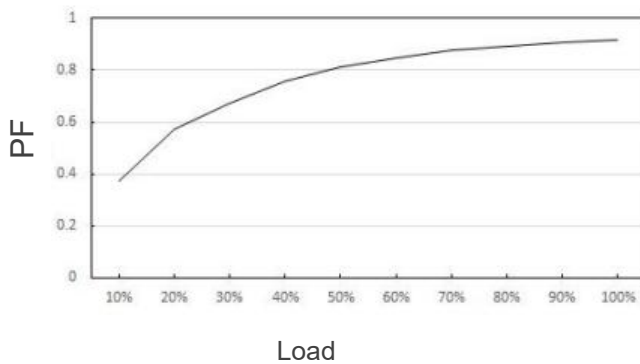
### Deduction Curve and Temperature



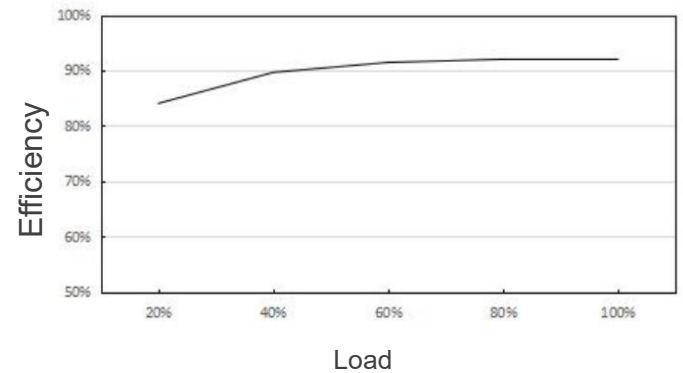
### Minus Output and Input Voltage Curves



### Power Factor (PF) Curves



### Efficiency Vs Load



### Wiring Diagram

