

*SPECIFICATION FOR APPROVAL*

**LED POWER SUPPLY**

CUSTOMER :

DESCRIPTION : Input:220~240V AC 50/60Hz

Output:24VDC 2.5A

OUR MODEL NO : MLED-24V60W-IP67

SAMPLE COLOR : Black ( ) White (  )

SALES:

APPROVED BY:

## Rev.List:

|        |                 |                      |              |
|--------|-----------------|----------------------|--------------|
| Rev:A0 | Date:2023-11-27 | Description: New Rev | Design: Wang |
| Rev:   | Date:           | /Description:        | Design:      |
| Rev:   | Date:           | Description:         | Design:      |
| Rev:   | Date:           | Description:         | Design:      |

## Table of contents

- 1、 DESCRIPTION
- 2、 ELECTRICAL SPECIFICATIONS
- 3、 IP Grade
- 4、 MECHANICAL REQUIREMENT
- 5、 WIRE GAUGE AND FORM FACTOR
- 6、 LABEL
- 7、 PACKING

## 1、 Scope description

This product for the LED driver , the product operational factors is the constant voltage model

## 2、 Electrical specifications

| 类别                | Item   | Technical Norm                    |
|-------------------|--|-----------------------------------|
|                   | Max. Output Wattage  | 60W                               |
| Input             | Rated input voltage  | 220-240VAC                        |
|                   | Range of input voltage   | 198-264VAC                        |
|                   | Frequency(Hz)  | 50/60Hz                           |
|                   | Power Factor   | ≥0.9 @Full Load 220-240VAC        |
|                   | Current  | 0.4A MAX. @Full Load , 220-240VAC |
|                   | Start-up time  | < 1S for ERP @Full Load           |
|                   | Unload Power Consumption   | ≤0.5W                             |
| Output            | Unload voltage   | 25.2VDC MAX.                      |
|                   | Load Voltage rang  | 22.8-25.2VDC                      |
|                   | Constant Voltage   | 24V                               |
|                   | Voltage Accuracy   | ±5% @198-264VAC                   |
|                   | Voltage Regulation   | ≤5%@Full Load                     |
|                   | Hold-up Time   | NA                                |
|                   | Efficiency in full load  | ≥86.00%@Full Load ,230VAC/50HZ    |
| Ripple            | < 500mVp-p @Full Load , 220-240VAC   |                                   |
| Measured methods: | Output in parallel with a 0.1uf ceramic chip capacitor and a 10uf electrolytic capacitor<br>Measured using a 20MHz bandwidth |                                   |
| Protection        | Over Load Protection   | Protection type: Auto Restore     |
|                   | Over Voltage Protection  | Protection type: Auto Restore     |
|                   | Short circuit Protection   | Protection type: Auto Restore     |
|                   | Over Temperature protection  | Protection type: Auto Restore     |

|                        |   |   |
|------------------------|---|---|
| Hi-pot                 | Input-Output(V.AC)  | 3000V/5mA/1min  |
|                        | Input-FG(V.AC)  | NA  |
|                        | Output-FG(V.AC)   | NA  |
| Isolation resistance   | Input-Output(V.AC)  | $\geq 100M\Omega @ 500VDC$  |
|                        | Input-FG(V.AC)  | NA  |
|                        | Output-FG(V.AC)   | NA  |
| Environment/ Life span | Operating Temperature   | -20°C...45°C  |
|                        | tc  | 85°C  |
|                        | Storage Temperature   | -40°C...80°C  |
|                        | Humidity  | 20%-90%RH   |
|                        | Life time   | 30,000h @230V@Ta20-45°C   |
|                        | HSF requirement   | RoHS  |
| feature                | Dimension (LXWXH)   | 166*43*33 (L * W * H)mm   |
| Safety & EMC           | Approval  | CE  |
|                        | Safety standards  | EN 61347-2-13:2014+A1:2017<br>EN61347-1:2015  |
|                        | EMI   | EN IEC 55015;2019+A11:2020<br>EN 61547:2009<br>EN IEC 61000-3-2:2019+A1:2021<br>EN 61000-3-3:2013+A1:2019+A2:2021 |
| Note                   | All parameters NOT specially mentioned are measured at rated input or max rated input , and 25°C of ambient temperature |   |

3、 IP Grade: IP67

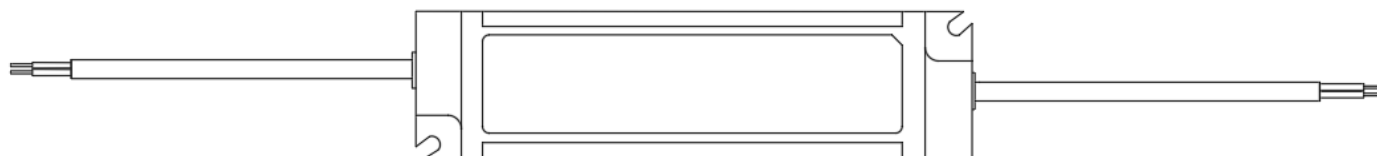
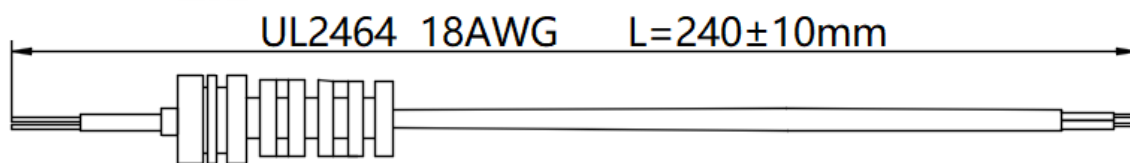
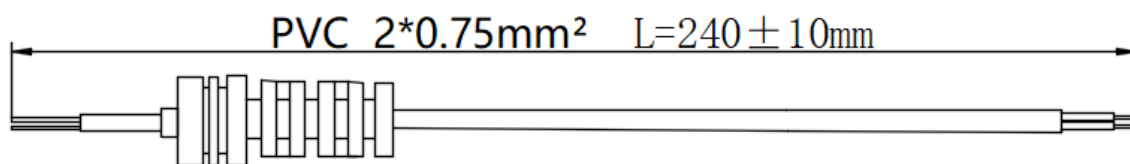
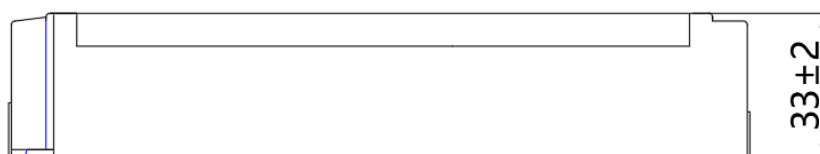
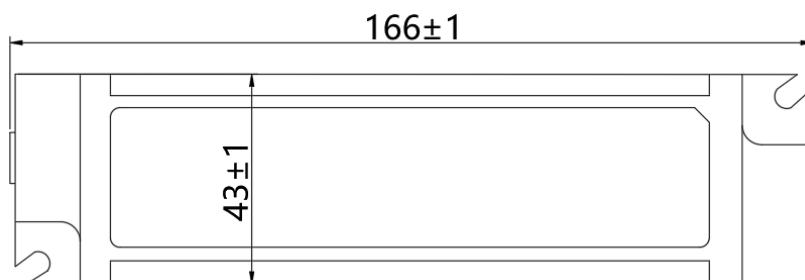
4、 MECHANICAL REQUIREMENT:

4.1 Enclosure: The power supply size: L166x W43x H33mm;

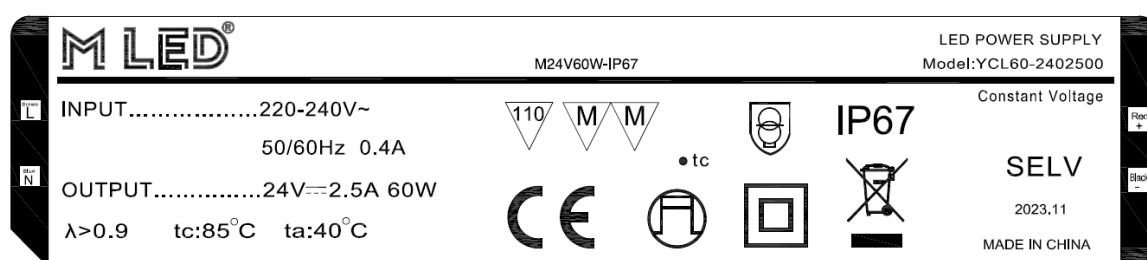
5、 Wire gauge and form factor -

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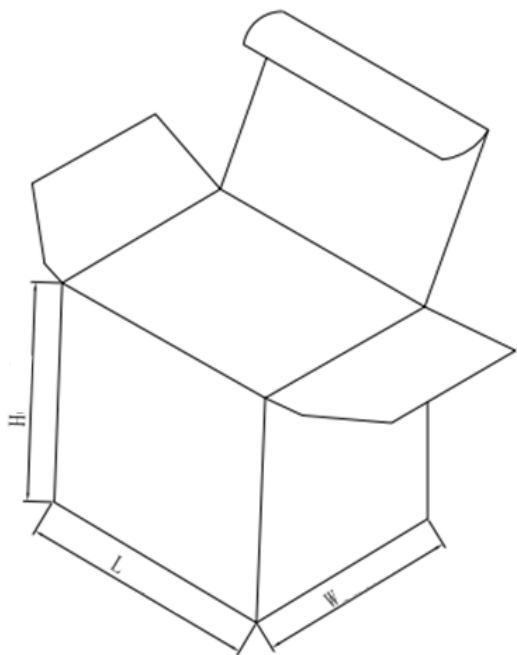
|           |                            |      |
|-----------|----------------------------|------|
| AC Input  | PVC 2*0.75 mm <sup>2</sup> | 0.2m |
| DC Output | UL2464 18/2C               | 0.2m |



6、 LABEL :



## 7. PACKING

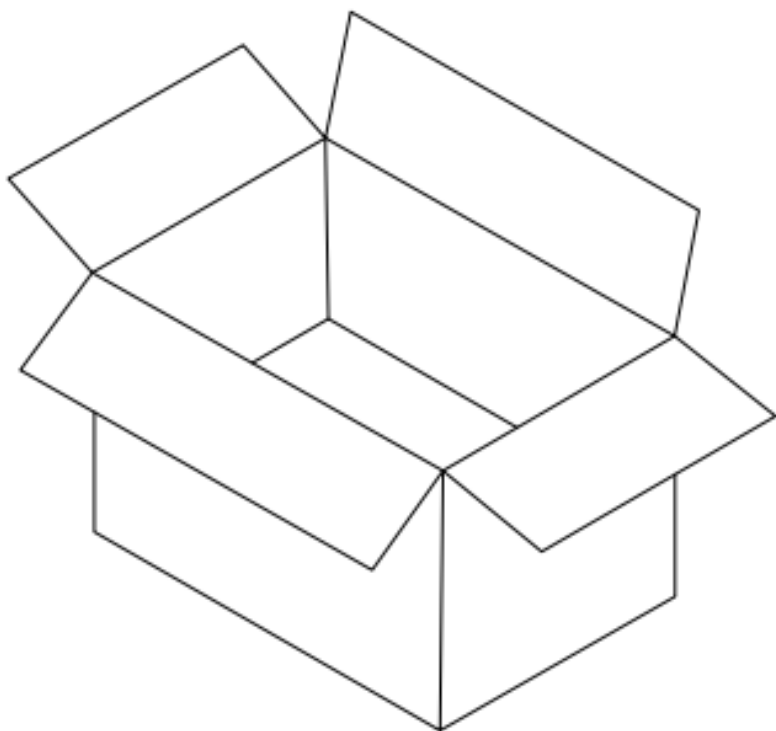


Inner box:

Length:50mm

Width:50mm

Height:245mm



Outside box:

510L\*270W\*270H (mm)

Quantity:50PCS