

**α**  
**ALFA ELECTRONICS**

**Product Acknowledgment**

Customer Name: \_\_\_\_\_

Specification model: SP-AF100W-2

Date: \_\_\_\_\_

| Edit | Audit | Approval | Customer Confirmation |
|------|-------|----------|-----------------------|
|      |       |          |                       |

**Address :**

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## ✦ Description:



- All protected model half aluminum housing, meet IP65 rating
- Protection type: open circuit, short circuit, overload
- Natural air cooling
- 100% full load aging test
- Low cost/high reliability
- Warranty period: 3 years

## Input characteristic

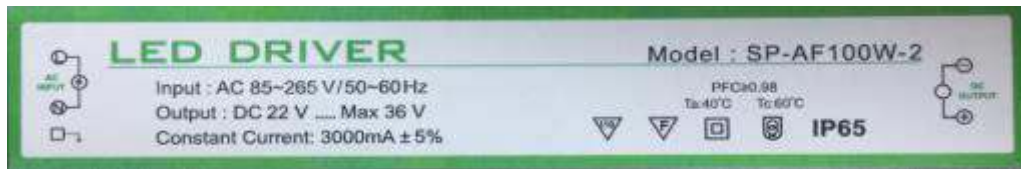
|                                 |                 |
|---------------------------------|-----------------|
| Input voltage and frequency     | 85-285V 50/60hz |
| Input current                   | 500ma AC220V A  |
| Power factor                    | 0.97            |
| Efficiency                      | 91.5%           |
| Total harmonic content<br>THD A | >18%            |

## Output characteristic

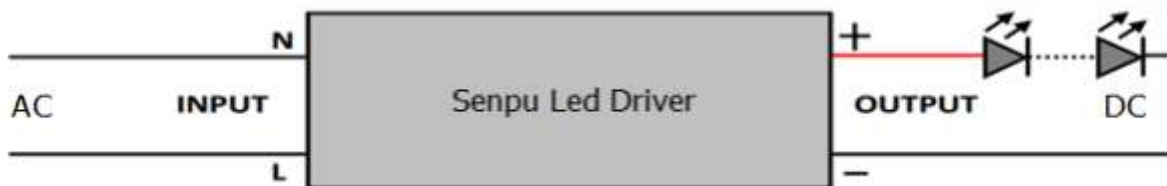
|                               |             |
|-------------------------------|-------------|
| Output voltage                | 26-42V      |
| Output current                | 3000ma ± 5% |
| Output current range          | 2400-3000ma |
| Floating voltage              | 50V ± 1V    |
| Precision of constant current | 3%          |
| Turn on Delay Time            | 0.5S        |
| Ripple percentage             | <26%        |

| <b>Protection</b>   |  |
|---|--|
| No-load protection  | When driver no-load can work normally  |
| Input overvoltage protection  |  |
| Lightning surge protection  | >6KVA  |
| Overload protection   | The working voltage of the light source is beyond the scope of the output power, light blinking (burp protection)                          |
| Short-circuit protection  | When the output short circuit, the power will protect, reduce the input power to milliwatts. The output separately power automatic working |
| <b>Work environment requirements</b>  |  |
| Working temperature/<br>humidity requirements   | -30°C to +45°C<br>10%RH to 100%RH  |
| Storage temperature/<br>humidity requirements   | -40°C to +85°C<br>5%RH to 100%RH   |
| Work surface temperature  | Driver surface temperature < 85°C  |
| <b>Safety standard and electromagnetic compatibility</b>  |  |
| Certification mark  | Non  |
| Certification standard  | Not Applicable   |
| Electromagnetic compatibility   | Not Applicable   |
| Withstand voltage   | 3800V/30S  |
| <b>Others</b>   |  |
| Overall dimensions  | 167MM*51MM*38MM Error range < 1MM  |
| <b>Remark</b>   |  |
| <p>1: This product has the function of constant current, can maximum limit to protect the light is not affected by the driver itself overshoot current</p> <p>2: The product output and completely isolated grid, the output voltage is safe.</p> |  |

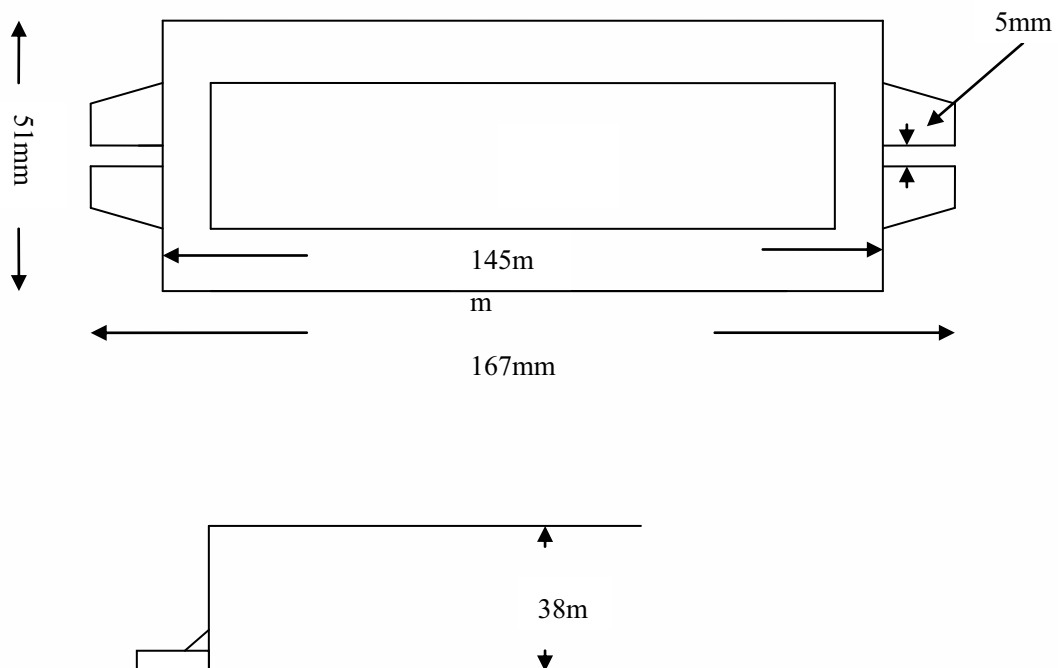
✦ Nameplate:



✦ Wiring diagram:



✦ Installation size picture:



**\*End\***