

AAJ150

Constant Current Metal Casing LED Power Supply (Non-isolated)



Product Features:

- Bipolar Flicker-free Non-isolated Design
- Surge: DM(L/N):6KV,CM (L/N-PE) :6KV
- IP67
- Warranty: 5Years



Models

| Model Number  | Output Current | Input Voltage | Output Voltage | Output Power | Efficiency | Power Factor |
|---------------|----------------|---------------|----------------|--------------|------------|--------------|
| AAJ150-C750-X | 500-750mA      | 90-305V       | 180-260V       | 150W         | 95.0%      | 0.95         |

- Note:
- 1.The '-X' Indicates with dimming function and 12V auxiliary output
  - 2.If you have other parameter requirements, you can consult the corresponding sales staff

# Product Datasheet

## Input Specifications

| Parameter        | Min.  | Typ.    | Max.   | Notes              |
|------------------|-------|---------|--------|--------------------|
| Input AC Voltage | 90Vac | -       | 305Vac |                    |
| Input Frequency  | 47 Hz | 50/60Hz | 63 Hz  |                    |
| Input AC Current | -     | -       | 1.45A  | @120Vac, Full Load |
| PF               | -     | 0.95    | -      | @230Vac, Full Load |
| THD              | -     | 10%     | -      | @230Vac, Full Load |

## Output Specifications

| Parameter                | Min.     | Typ. | Max.    | Notes             |
|--------------------------|----------|------|---------|-------------------|
| Output Current Tolerance | -5%loset | -    | 5%loset | @Full Load        |
| Output Ripple Current    | -        | 5%   | 10%     | @100Hz            |
| No Load Output Voltage   | -        | -    | 315V    |                   |
| Turn-on Delay Time       | -        | -    | 500ms   | @230Vac Full Load |

## Dimming Specifications

| Parameter                 | Min. | Typ.  | Max. | Notes                       |
|---------------------------|------|-------|------|-----------------------------|
| Recommended Dimming Input | 0 V  | -     | 10 V | Default 0-10V dimming mode. |
| Dim off Voltage           | 0.6V | 0.8V  | 1.0V | N/A                         |
| Dim on Voltage            | 0.7V | 0.95V | 1.2V | N/A                         |

## Product Datasheet

### General Specifications

| Parameter             | Min.  | Typ.             | Max.  | Notes                                                                                                   |
|-----------------------|-------|------------------|-------|---------------------------------------------------------------------------------------------------------|
| Standby Power         | -     | 0.5W             | -     | N/A                                                                                                     |
| Lifetime              | -     | 50,000 Hours     | -     | Measured at 230Vac input, 100%load and 85°C case temperature; See lifetime vs. Tc curve for the details |
| Tc                    | -     | -                | +90°C |                                                                                                         |
| Operating Temperature | -40°C | -                | +50°C |                                                                                                         |
| Storage Temperature   | -40°C | -                | +90°C | @Humidity: 5%RH to 95%RH                                                                                |
| Dimensions            | -     | 168.5*61*35.5 mm | -     |                                                                                                         |
| Net Weight            | -     | 700g             | -     |                                                                                                         |

### Safety&EMC Compliance

|                       |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| Safety                | GB19510.1,GB19510.14; IEC61347-1, IEC61347-2-13; EN61347-1,EN61347-2-13,EN62384 |
| EMC                   | GB/T17743,GB17625. 1; EN55015,EN61000-3-2, EN61000-3-3,EN61547; EN61000-4-5     |
| ErP                   | Erp2.0 EU 2019/2020                                                             |
| Surge                 | DM(L/N):6KV,CM (L/N-PE) :6KV                                                    |
| Withstanding Voltage  | -                                                                               |
| Insulation Resistance | I/P-O/P:>100MΩ@500Vdc                                                           |
| RoHS                  | RoHS(2011/65/EU) (EU)2015/863                                                   |

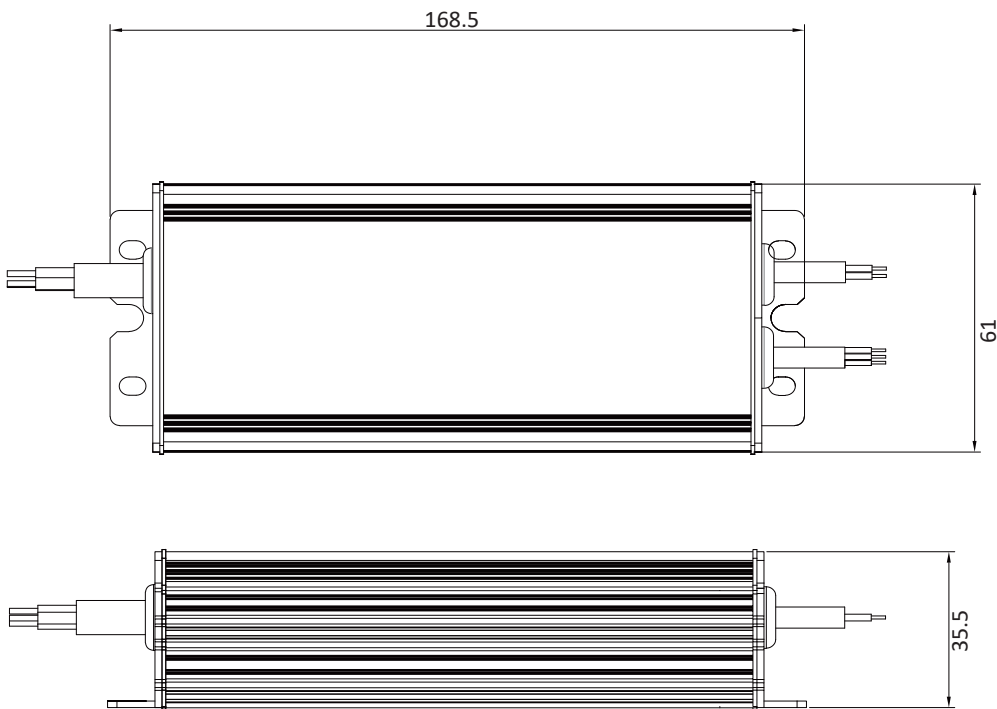
Protection Functione

|                             |                      |
|-----------------------------|----------------------|
| Overload Protection         | Automatic reversible |
| Short Circuit Protection    | Automatic reversible |
| Over Temperature Protection | Automatic reversible |
| No-load Protection          | <315V                |
| Type of Protection          | IP67                 |

Note :

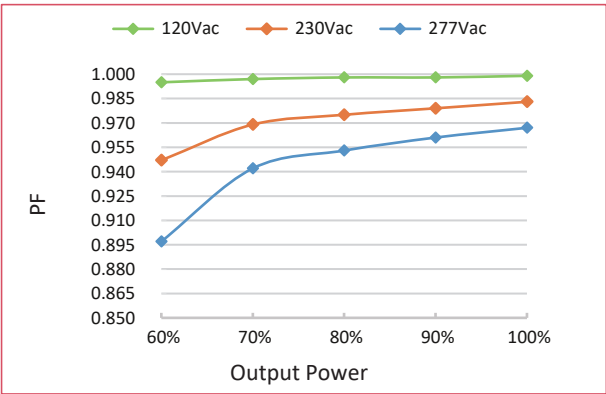
- 1.All parameters NOT specially mentioned are measured at 230VAC input, full load and 25°C of ambient temperature.
- 2.EL compatible with IEC 61347-2-13 Annex J, compatible with EN 60598-2-22 emergency lighting fixtures, compatible with EN 50172central battery system applications.
- 3.All Eadlerise power supoly are complied with EMI reaulations, Since they are belong to component and will be instaled inside systemenclosure. When they are integrated into a system, the EMI characteristics of the system must be re-verified again.

Exterior Dimensions (unit: mm)

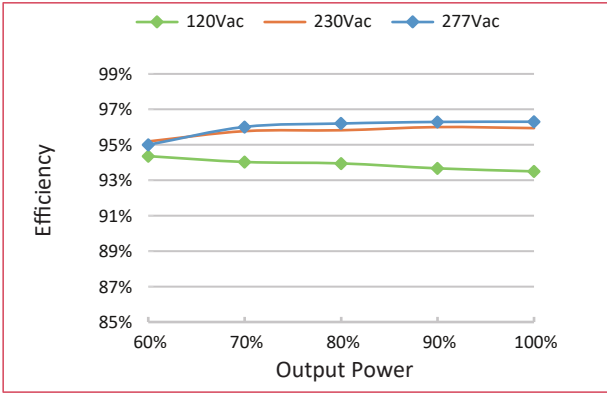


Electrical Curves

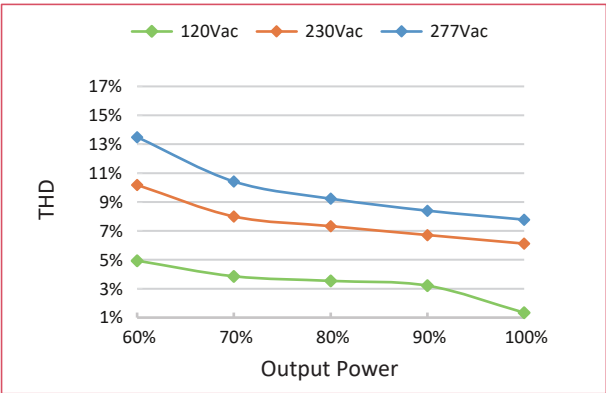
PF&Output Power



Eff&Output Power

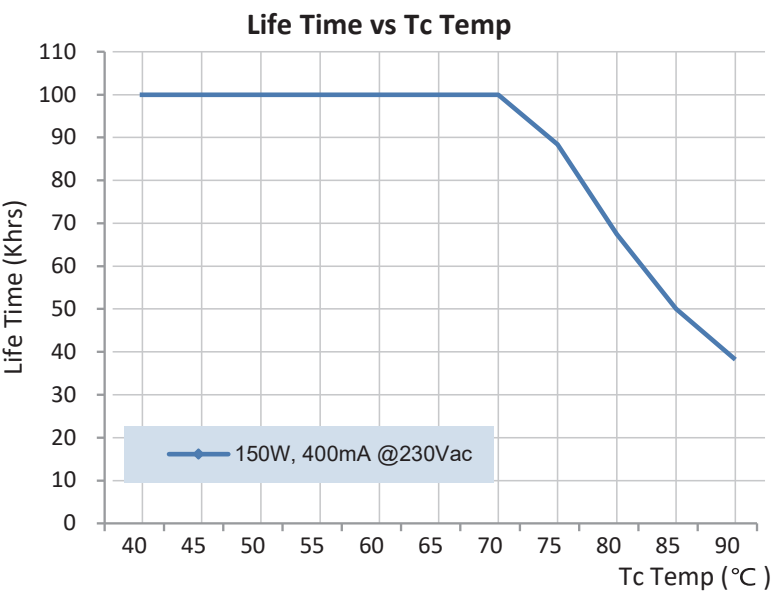


THD&Output Power



Wiring Method

Life Curve Graph



Quantity per Package

| Model         | Carton Size   | Qty/Carton | G.W    |
|---------------|---------------|------------|--------|
| AAJ150-C750-X | 534*310*207mm | 24PCS      | 17.8KG |