## Features

- High efficiency up to 93%
- THD <15%
- Adjustable output voltage via a potentiometer
- Surge protections: L-N: 6kV; L/N-PE 8kV
- Flicker free
- All-round protections: over temperature protection, over voltage protection and short circuit protection
- IP67

IP67 Class P

## Applications

· Outdoor lighting · landscape lighting

## Descriptions

LF-GOE150YV024A is a 150W constant voltage LED driver with linear casing design. It has high PF and low THD and can be applied in flood light, etc. There is a potentiometer used for adjusting the output voltage (power) at the bottom of LED driver to meet diverse needs.

## Product Model

LF - GOE 150 YV 024A

- 024A: constant output voltage: 24V
- YV: constant voltage LED driver series
- 150: rated power: 150W
- G: isolated design; OE: outdoor LED driver series

**Lifud Technology Co., Ltd.**
Production Base I (HQ): Building B, Kutto Industrial Park, No.26, Xinhe Road, Bao'an District, Shenzhen City, China.
Production Base II: No.4, Block 2, Tengfei Road, Shigao Economic Development Area, Meishan City, Sichuan, China.
Website: www.lifud.com Telephone: +86(0)755 8373 9299 Email: sales@lifud.com

## ■ Electrical Characteristics

| Model | | LF-GOE150YV024A | | |
|---|---|---|---|---|
| **Output** | Output Current | 6.25A max.@200-277Vac; 4.17A max.@100-277Vac | | |
| | Output Voltage | 22.08~25.92Vdc (adjustable via the potentiometer) | | |
| | Output Power | 150W max.@200-277Vac; 100W max.@100-277Vac | | |
| | Faculty Default | 24Vdc | | |
| | Flicker | ≤0.5%@50Hz or 60Hz | | |
| | Ripple Voltage | ≤10%@50Hz | | |
| | Voltage Tolerance | ±2.5% | | |
| | Startup Time | <1S@120Vac; <0.5S@230Vac | | |
| | Temperature Drift | ±10%@25℃~60℃ | | |
| **Input** | Input Voltage | 100-277Vac (voltage limit: 90-305Vac) | | |
| | DC Input Voltage | 141-391Vdc (voltage limit:127-431Vdc) | | |
| | Input Frequency | 47Hz-63Hz | | |
| | Input Current | 1.35A max. | | |
| | PF | ≥0.97@100Vac (full load) | ≥0.95@230Vac (full load) | ≥0.90@277Vac (full load) |
| | THD | ≤15% | | |
| | Efficiency | ≥89%@100Vac (full load) | ≥93%@230Vac (full load) | ≥93%@277Vac (full load) |
| | Inrush Current | ≤60A/500uS | | |
| | Leakage Current | ≤0.7mA | | |
| | Standby Power Consumption | ≤1.5W | | |
| **Protections** | Surge | L-N: 6kV; L/N-PE: 8kV | | |
| | Output Short Circuit | Hiccup mode (it will recover by itself after restarting up the LED driver) | | |
| | Output Over Voltage | ≤35V (In this protection mode, the output voltage will be turned off and the protection will recover after restarting up the LED driver) | | |
| | Output Over Current | ≤150% (it will recover after restarting up the LED driver) | | |
| **Environment Descriptions** | Operating Temperature | -40℃ ~ +60℃ | | |
| | Operating Humidity | 20-90%RH (without condensation) | | |
| | Storage Temperature/ Humidity | -40℃ ~ 80℃ (6 months in Class I environment); 10-90%RH (without condensation) | | |
| | Atmospheric Pressure | 86-106kPa | | |

## ■ Electrical Characteristics

| | | |
|---|---|---|
| **Safety and EMC** | Certifications | TUV-ENEC, CE, CB, SAA, RCM, UL (complies with Class P), FCC and CCC |
| | Withstanding Voltage | I/P-O/P: 3.75kV 5mA 60S; I/P-FG: 1.5kV 5mA 60S; O/P-FG: 0.5kV 5mA 60S |
| | Insulation Resistance | I/P-O/P: >100MΩ@500Vdc |
| | Safety Standards | ENEC: EN61347-1: 2015, EN 61347-2-13: 2014/A1: 2017,<br>EN 62384: B2016/A1: 2009<br>CE-LVD: EN61347-2-13: 2014/A1: 2017, EN 61347-1: 2015,<br>EN 62493: 2015<br>CB: IEC61347-1: 2015, IE61347-2-3: 2014,<br>IEC61347-2-13: 2014/AMD1: 2016<br>RCM: AS 61347.2-13: 2018<br>CCC: GB19510.1-2009, GB19510.14-2009<br>UL: UL8750, CSA 250.13 |
| | EMI | CE-EMC/RCM: EN55015, EN61000-3-2, EN61000-3-3<br>CCC: GB/T17743, GB17625.1, GB17625.2<br>FCC: PART 15B |
| | EMS | CE-EMC/RCM: EN61000-4-2, 3, 4, 5, 6, 11<br>CCC: GB/T17626.2, 3, 4, 5, 6, 11 |
| | Group Pulse | 2.2kV (Class B) |
| | Ringing Wave | 2.5kV (Class B) |
| | ESD | Air 8kV, touch 4kV (Class B) |
| **Other Parameters** | IP Rating | IP67 |
| | RoHS | RoHS 2.0 (EU) 2015/863 |
| | Warranty | 5 yrs (Tc≤71℃) |
| | Noise Level | ≤20db (the data is tested in a soundproof room and the noise collector is 10cm away from the LED driver.) |

## ■ Electrical Characteristics

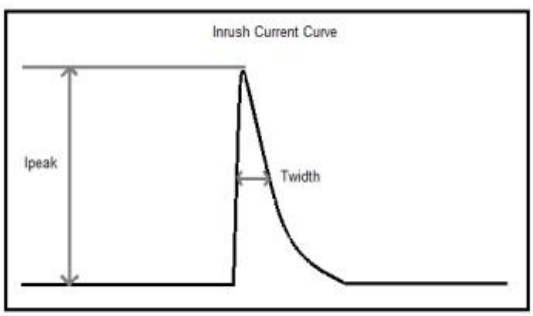
| | |
|---|---|
| **Additional Remarks** | 1. It is recommended that client install over voltage protection, under voltage protection and surge protection devices in the power supply circuits of light fixtures to ensure electricity safety.<br>2. The LED driver used in combination with the end device is one of the accessories in the whole light fixture, and its EMC is not only susceptible to the driver itself, but to the LED light fixture and the whole light fixture's wiring. Thus, the manufacturer of LED light fixture should re-confirm the EMC performance of LED driver before the whole light fixture is finished.<br>3. It is suggested that client use a slotted screwdriver or a Philips to adjust the output current of LED driver, otherwise the potentiometer may be damaged. (please use the screwdriver with an insulated handle, and the screwdriver with a 2mm head is recommended as well. Meanwhile, please pay attention that the intensity of torque not exceed 0.5KN.m)<br>4. When adjusting the output current of LED driver, please pay attention that the total output power not exceed the maximum rated output power.<br>5. The above parameters are tested at the ambient temperature of 25℃, humidity of 50%, full load and input voltage of 230Vac without any special remarks. |

## ■ Quantity & Parameters of LED Driver with the Same Model that a Circuit Creaker can Configure

| Name | Value | Note |
|---|---|---|
| Surge peak current Ipeak | 46.6A | Input voltage: 230Vac |
| Surge half-peak time Twidth | 280μs | Input voltage: 230Vac, measure the time for Ipeak to drop to its half value. |
| Quantity of LED driver with the same model that a type-B 16A circuit breaker can configure | 9 pcs (max.) | / |

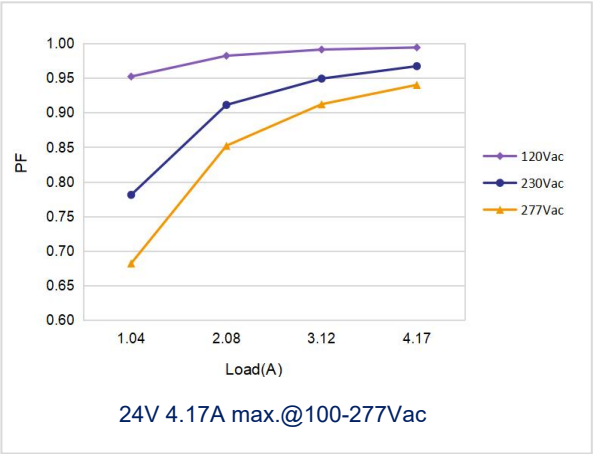
**LED driver quantities are shown in the following table when other types of circuit breaker are used:**

| Type | Rank | Quantities of Accommodated Drivers | Relative Conversion Ratio |
|---|---|---|---|
| B | 10A | 5 pcs | 63% |
| | 13A | 7 pcs | 81% |
| | 16A | 9 pcs | 100% (standard) |
| | 20A | 11 pcs | 125% |
| | 25A | 14 pcs | 156% |
| C | 10A | 9 pcs | 104% |
| | 13A | 12 pcs | 135% |
| | 16A | 15 pcs | 170% |
| | 20A | 18 pcs | 208% |
| | 25A | 23 pcs | 260% |



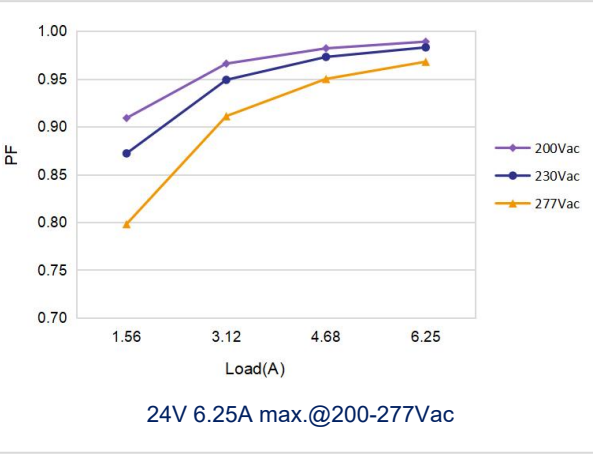
## ■ Product Characteristic Curves

PF Curves 1



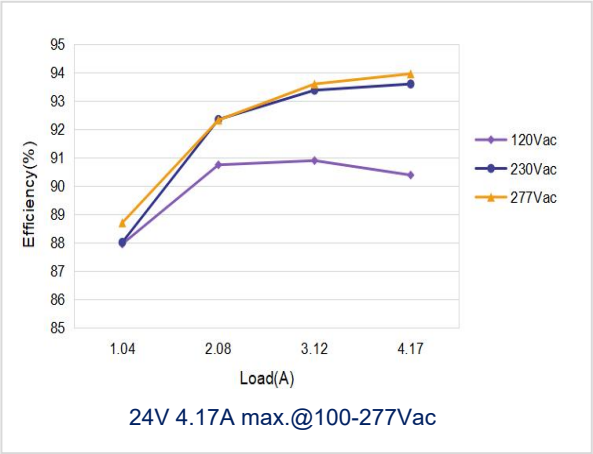

24V 4.17A max.@100-277Vac

PF Curves 2



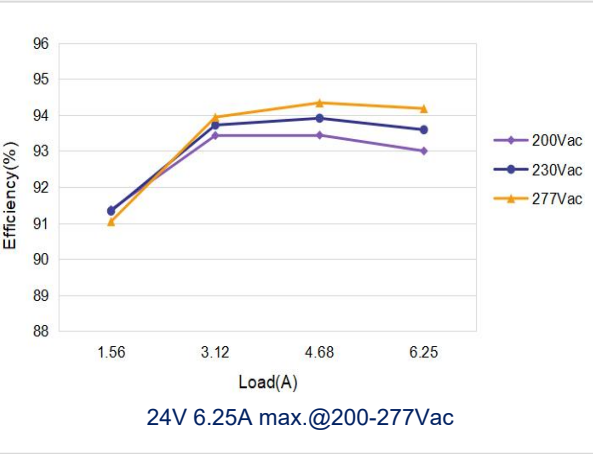

24V 6.25A max.@200-277Vac

Efficiency Curves 1




24V 4.17A max.@100-277Vac

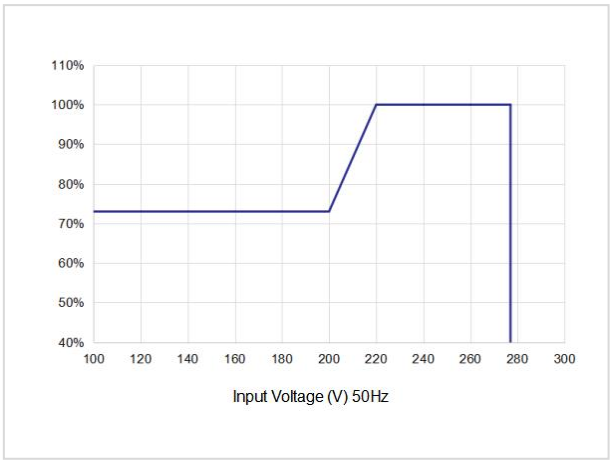
Efficiency Curves 2



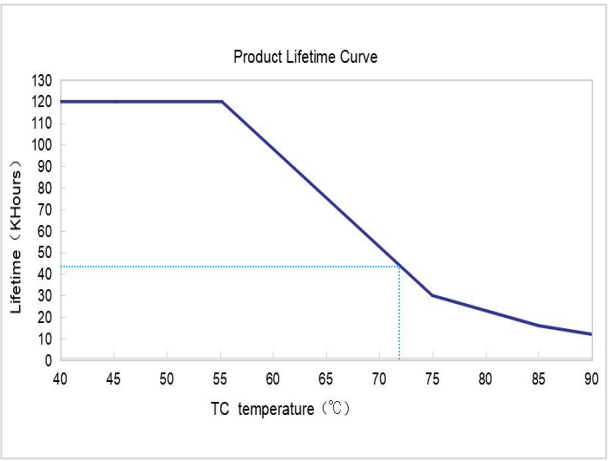

24V 6.25A max.@200-277Vac

**Lifud Technology Co., Ltd.**
Production Base I (HQ): Building B, Kutto Industrial Park, No.26, Xinhe Road, Bao'an District, Shenzhen City, China.
Production Base II: No.4, Block 2, Tengfei Road, Shigao Economic Development Area, Meishan City, Sichuan, China.
Website: www.lifud.com Telephone: +86(0)755 8373 9299 Email: sales@lifud.com

Load Derating Curve




Lifetime Curve




## ■ Dimming Operation Instructions

### Adjustable output voltage via a built-in potentiometer

| Parameter | Minimum Value | Typical Value | Maximum Value | Note |
|---|---|---|---|---|
| Output Voltage | 22Vdc | - | 26Vdc | The total output power should **NOT** exceed 150W/100W |

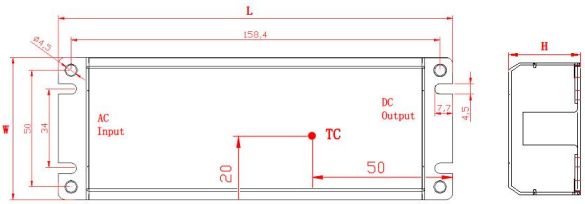
## ■ Structure & Dimensions (unit: mm; tolerance: +0.5mm)

Wire Specifications

| Type | Input Wire Specification | Output Wire Specification |
|---|---|---|
| YV | 3*17AWG 1.04mm² (SJOW, H05RN-F) Φ8.2±1mm | 2*17AWG 1.04mm² (SJOW, H05RN-F) Φ7.7±1mm |
| Color | AC-L Brown; AC-N Blue; GND Yellow & Green | VO+ Brown; VO- Blue |
| Length | 300±10mm (L1) | 250±10mm (L2) |
| Peeled | 30±4mm (X1) | 30±4mm (X2) |
| Tinned | 10±1.5mm (Y1) | 6±1mm (Y2) |

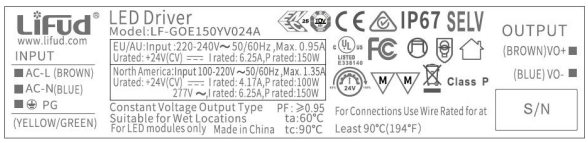
## Appearance and Dimensions

| Description | Symbol | Unit (mm) |
|---|---|---|
| Casing Length | L | 169.4 |
| Casing Width | W | 61 |
| Casing Height | H | 34 |


Tc spot is at the top of LED driver

## ■ Label



## ■ Packaging Specifications

| Model | LF-GOE150YV024A |
|---|---|
| Carton Size | 420×300×210mm (L×W×H) |
| Quantity | 6 pcs/layer; 4 layers/ctn; 24 pcs/ctn |
| Weight | 0.7kg±5%/pc; 17kg±5%/ctn |

## ■ Transportation and Storage

### 1. Transportation

- Suitable transportation means: vehicles, boats and aeroplanes.
- In transit, it is necessary to prepare awnings for rain or sun protection. Moreover, please keep civilized loading and unloading to prevent the vibration or impact of LED driver as much as possible.

### 2. Storage

- The storage of LED driver shall conform to the standard of Class I environment. When using LED drivers which have been stored for more than 6 months, please re-test them firstly. Do not use them unless they are tested to be qualified.

## Cautions

- Please use Lifud LED driver according to its parameters in the specification, otherwise the LED driver may malfunction.
- Using any incompatible light fixtures or those that have not been certified may cause fire, explosion or other risks.
- Man-made damage is beyond the scope of Lifud warranty service.

Remark: Lifud Tecnology Co., Ltd. reserves the right to interpret any contents of this specification.

# X-ON Electronics

Largest Supplier of Electrical and Electronic Components

***Click to view similar products for*** LED Power Supplies ***category:***

***Click to view products by*** Lifud Technology ***manufacturer:***

Other Similar products are found below :

PIFC-K250F PITB-K222A ALD-514012PJ134 OECCDD02-350 OECCDD02-700 OECCDD02-300 OECCDD02-450 OECCDD02-600 ESS015W-1000-12 ESS030W-1050-21 SLM140W-1.05-130-ZA ESS015W-0700-18 OTE 25/220-240/700 PC OT FIT 30/220-240/700 CS CNB50W-1200-42-CAS 87500757 LCU 48V 75W DC-STR FO LC 45 W 500–1400 MA FLEXC SC EXC I-SELECT 2 PLUG 2000MA BL LC 50/200-350/170 FLEXCC LP SNC3 LCO 14/100-500/38 O4A NF C EXC3 LCA 60W 900-1750MA ONE4ALL C PRE LC 8/180/44 FIXC SR SNC2 LC 19/200-350/54 FLEXC LP SNC4 BXDR-PS-75BS-E116D-01-A LC 30/500/54 FIXC SR SNC2 LCA 60W 24V ONE4ALL SC PRE SP LC 60W 75-330MA 310V FLEXC NF H16 EXC4 LC 8/180/42 FIXC PC SR SNC2 LC 10/350/29 FIXC SR SNC2 LC 50/100-400/140 PO4A NF H16 PRE3 LC 25/600/42 FIXC SRL ADV2 LCO 24/200-1050/39 NF C ADV3 ELEMENT 35/220...240/900 G3 LC 25W 350-1050MA FLEXC SR EXC LC 35W 24 ONE4ALL IP PRE BXDR-PS-25BS-E107D-01-A LC 17W 250-700MA FLEXC SR EXC LC 14W 700MA FIXC PC SR SNC2 LC 200W 24V SC SNC LC 65W 200-350MA 210V FLEXC LP SNC4 LC 60/1400/43 FIXC SR SNC2 LC 75W 250-400MA 220V O4A LP ADV 4880 PWM-60-24DA2 PWM-90-48DA2 8538 LC 165/400-700/320 FLEXC LP SNC4 LCO 40W 200-1050MA 64V O4A NF C EXC3 LCI 150/250-1050/300 PD NF H28 PRE4