


Power LED Constant-current Power Supply

**ELP**SERIES

Real eco with ELP



 **SUN-EH ELECTRIC CO.,LTD.** <http://www.sun-eh.co.jp>

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Please write any requests or inquiries here.

 **SUN-EH ELECTRIC CO.,LTD.**

A new product born from Sun-Eh's unique commitment to genuine energy savings  
Enjoy real energy savings with the high power factor ELP Series.

POINT 1



# Industry top class high efficiency and high power factor

Efficiency Appr. 92% Power factor 0.99  
ELP2-700-130NF input at 200 VAC, 130 VDC output

POINT 2

## Total Molding

Incorporate with outdoor devices (IP64 Level)

POINT 3

## Insulated Design

Protect LED from lightning surges



### Features

- All series are PSE certified
- Constant-current power supply
- Long life design (Contact us for more details.)
- Harmonic current suppression circuit equipped
- Input 100V to 200V (ELP2 input 100V to 240V)

Just what you need,  
**ELP SERIES**



Security lights



Street lights



Billboards



Road lighting



Tunnel lights



High altitude lights



LED fluorescent tube

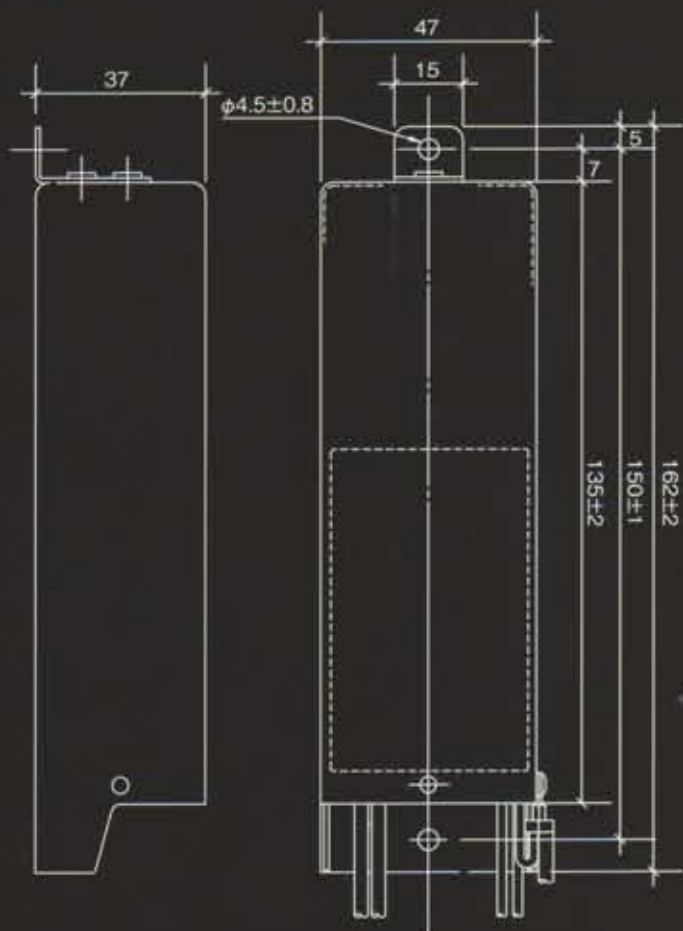
This power supply can also be used in a variety of other fields.



ELP1



Exterior Dimensions



Product Specifications

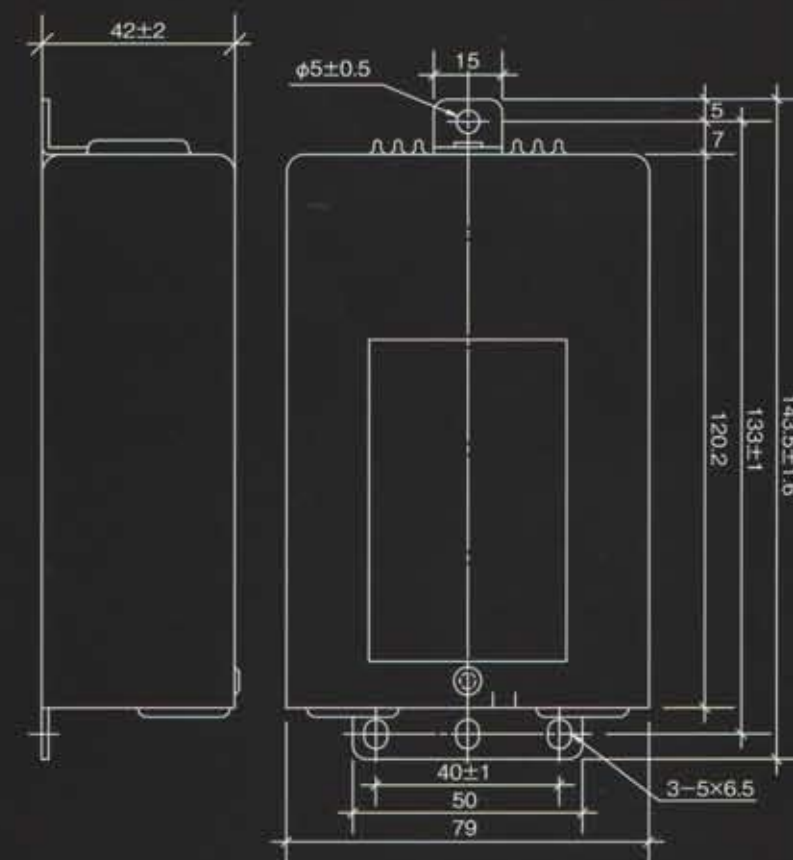
| Product Name         | ELP1-300-130N                                      | ELP1-350-125N | ELP1-640-60N | ELP1-700-60N | ELP1-1000-40NF |
|----------------------|--|---------------|--------------|--------------|----------------|
| Rated Input Voltage  | 100V/200V  | 100V/200V     | 100V/200V    | 100V/200V    | 100V/240V      |
| Maximum Input VA     | 45VA   | 50VA          | 45VA         | 49VA         | 49VA           |
| Rated Output Voltage | 300mA  | 350mA         | 640mA        | 700mA        | 1A             |
| Output Voltage Range | DC50V-130V   | DC50V-125V    | DC30V-61V    | DC30V-61V    | DC18V-41V      |
| Maximum Output Power | 39W  | 43.75W        | 39.04W       | 42.7W        | 42.7W          |
| Dimming              | None   |               |              |              |                |
| External             | Aluminum walls with alumite processing             |               |              |              |                |
| Environmental Temp   | -20°C to 50°C                                      |               |              |              |                |
| Safety Regulations   | Electrical Appliance and Material Safety Law (PSE) |               |              |              |                |

\*In addition to the models in this table, 100 VAC to 240 VAC are also available. Contact Sun-Eh sales personnel for products other than these standards.

ELP2



Exterior Dimensions



Product Specifications

| Product Name         | ELP2-700-130NF                                     | ELP2-700-130DF    | ELP2-1000-90DF |
|----------------------|--|-------------------|----------------|
| Rated Input Voltage  | 100V/240V  | 100V/240V         | 100V/240V      |
| Maximum Input VA     | 102VA  | 102VA             | 102VA          |
| Rated Output Voltage | 700mA  | 700mA             | 1A             |
| Output Voltage Range | DC60V-130V   | DC60V-130V        | DC42V-90V      |
| Maximum Output Power | 91W  | 91W               | 91.0W          |
| Dimming              | None   | Appr. 35% to 100% | Dimming        |
| External             | Aluminum walls with alumite processing             |                   |                |
| Environmental Temp   | -20°C to 50°C                                      |                   |                |
| Safety Regulations   | Electrical Appliance and Material Safety Law (PSE) |                   |                |

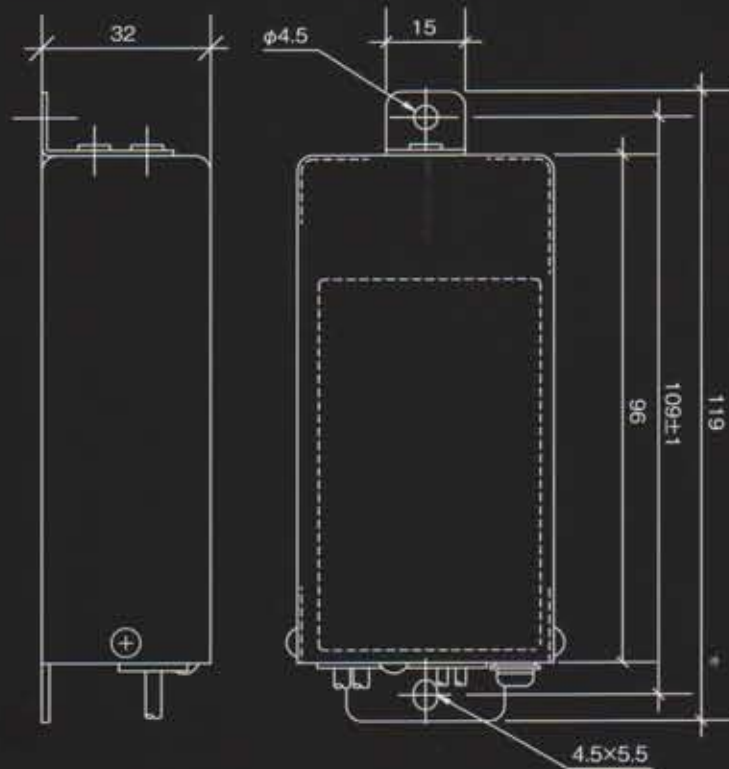
\*In addition to the models in this table, 100 VAC to 240 VAC are also available. Contact Sun-Eh sales personnel for products other than these standards.



ELP05



Exterior Dimensions



Product Specifications

| Product Name         | ELP05-350-60NF                                     | ELP05-700-30NF |
|----------------------|--|----------------|
| Rated Input Voltage  | 100V / 200V  | 100V / 200V    |
| Maximum Input VA     | 28VA   | 28VA           |
| Rated Output Voltage | 350mA  | 700mA          |
| Output Voltage Range | DC20V-62V  | DC20V-36V      |
| Maximum Output Power | 21.7W  | 21.7W          |
| Dimming              | None   |                |
| External             | Aluminum walls with alumite processing             |                |
| Environmental Temp   | -20°C to 50°C                                      |                |
| Safety Regulations   | Electrical Appliance and Material Safety Law (PSE) |                |

\*In addition to the models in this table, 100 VAC to 240 VAC are also available. Contact Sun-Eh sales personnel for products other than these standards.

TEP SERIES LED Constant-Current Power Supply (Improved lightning surge resistance products)

SUN-EH is adding the improved lightning surge resistance performance TEP Series to the LPS and ELP Series standard power supplies.

The number of problems caused by lightning strikes in rural and suburban regions has increased dramatically as a result of the extreme weather in recent years. In order to respond to the need for lightning surge protection, Sun-Eh is introducing a power supply with improved lightning surge resistance that is compliant with common-mode 15 kV (Sun-Eh Testing Values).

Reference



SUT-1 LPS/ELP SERIES Lightning Resistant Surge Protector Unit (For Common-Mode)

- The number of lightning strikes has increased dramatically over recent years as a result of extreme weather. Outdoor lightning damage is becoming increasingly common with the existing level of lightning surge countermeasures.
- The cause of the majority of incidents of outdoor lightning damage is common-mode lightning surges between the power supply input and the ground.
- Equipping lighting in suburban and rural regions subject to many lightning strikes with LPS and ELP Series power supplies can prevent lightning damage.

