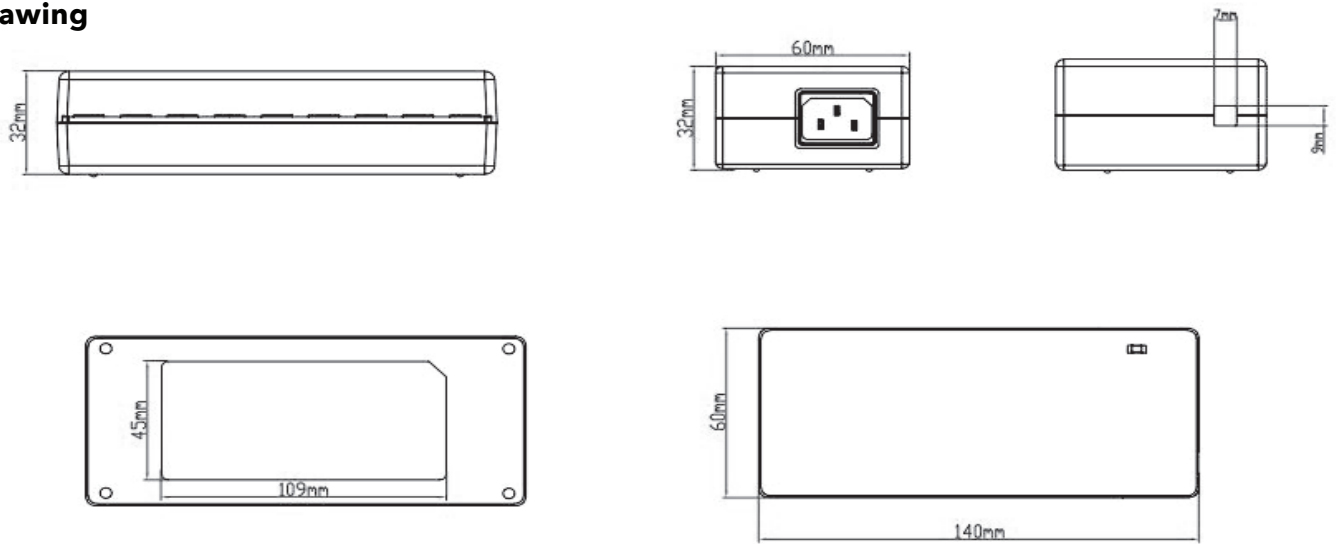


The plug-in driver is designed for high-performance LED lighting applications, offering efficiency, reliability, and comprehensive protection features. This driver is suitable for a wide range of settings, including residential, commercial, and industrial environments. [\[Click here for 48W\]](#); [\[Click here for 96W\]](#)

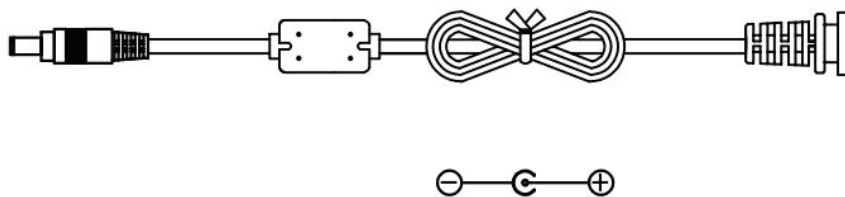


## Drawing



**Dimensions (Length X Width X Height):** 140 x 60 x 32mm Tolerance:  $\pm 1$ mm

## Input and Output Connectors



## 48W Continuous Output Power

### Key Features

- **Power Output:** 48W
- **Rated Voltage Range:** Operates within a wide voltage range of 100V AC to 240V AC
- **Efficiency and Power Factor:** High Power Factor Correction ( $\geq 0.9$ )
- **Output Voltage:** 24V DC
- **Safety Features:** Includes an input fuse (3.15A, 250V AC) and overcurrent protection ( $\leq 3.5A$ ) with short circuit protection (Hiccup mode).
- **Operating Temperature:** -20°C to 25°C
- **RoHS Compliance**

### Specification Table

Parameter	Details
Input Frequency	50Hz/60Hz
Input AC Current	$\leq 1.5A$ at 100 to 240Vac input
Inrush Current	50A Max. @110VAC/60Hz
Output Voltage Limit (V DC)	22.8V - 25.2V
Combined Load/Line Regulation	Voltage= 24V DC, Min. load=0A, Rated Load=2.0A
Turn-On Delay Time	100V AC / 4s, 240V AC / 3s
Over Current Protection	115V AC: $\leq 3.5A$ , Short Circuit Protection: Hiccup
	230V AC: $\leq 3.5A$ , Short Circuit Protection: Hiccup
Over Voltage Protection	Self-recovery upon fault removal

## 96W Continuous Output Power

### Key Features

- **Power Output:** 96W
- **Rated Voltage Range:** Operates within a wide voltage range of 100V AC to 240V AC
- **Efficiency and Power Factor:** High Power Factor Correction ( $\geq 0.9$ )
- **Output Voltage:** 24V DC
- **Safety Features:** Includes an input fuse (5A, 250V AC) and overcurrent protection ( $\leq 3.5A$ ) with short circuit protection (Hiccup mode).
- **Operating Temperature:** -20°C to 25°C
- **RoHS Compliance**

### Specification Table

Parameter	Details
Input Frequency	50Hz/60Hz
Input AC Current	$\leq 2.0A$ at 100 to 240Vac input
Inrush Current	50A Max. @110VAC/60Hz
Output Voltage Limit (V DC)	22.8V - 25.2V
Combined Load/Line Regulation	Voltage= 24V DC, Min. load=0A, Rated Load=4.0A
Turn-On Delay Time	100V AC / 4s, 240V AC / 3s
Over Current Protection	115V AC: $\leq 7A$ , Short Circuit Protection: Hiccup
	230V AC: $\leq 7A$ , Short Circuit Protection: Hiccup
Over Voltage Protection	Self-recovery upon fault removal

## Storage & Instructions

- **Working Environment Requirements:**
  - Altitude: ≤ 10,000 feet
  - Temperature Range: -20°C to +25°C
  - Humidity Range: 20% to 80%
  
- **Storage Conditions:**
  - Low-Temperature Storage:
    - Temperature: ≥ -20°C (non-icing environment)
    - Altitude: ≤ 30,000 feet
  - High-Temperature Storage:
    - Temperature: ≤ +70°C
    - Relative Humidity: 10% RH to 90% RH
  
- **Storage Aging of Power Adapter:**
  - General Storage:
    - Store for no more than six months to avoid performance degradation.
  - Long-Term Storage:
    - Prolonged storage affects the capacity of aluminum electrolytic capacitors, leading to reduced performance.
    - Temperature and humidity variations during storage can further degrade performance.
  - Activation After Long-Term Storage:
    - If stored for an extended period, power up the adapter with an 80% load for two hours to reactivate it.
    - Failure to do so may result in no output or potential explosion of the electrolytic capacitor.

## Ordering Code(s)

48W Continuous Output Power: **PGID2448-24V**

96W Continuous Output Power: **PGID2496-24V**

Project		Type	
Date		Contact	
Notes			