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### Overview

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GE Security provides several power supplies that are appropriate for a wide range of power requirements in its products.

#### **KTP-24-8 Multiple Output Power Supply**

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The KTP-24-8 is a compact and durable power supply that is typically used to power up to eight CyberDomes®. It features eight isolated 24 VAC outputs that can power devices requiring 1 amp or less. Each output is equipped with a resettable fuse. The unit can be powered from either a standard 115 or 230 VAC source. A rack-mount accessory is available.

#### **KTP-24C 56 VA Single Output Outdoor Power Supply**

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The KTP-24C is a weatherproof, outdoor power supply that is typically used to power a 7-inch CyberDome. The wall-mountable, 24 VAC/56 VA unit can power a pan/tilt assembly, camera, heater, and fan. The unit can be powered from either a standard 110 or 220 VAC source. Mounting hardware is included.

#### **KTP-24 100 VA Single Output Outdoor Power Supply**

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The KTP-24 is a weatherproof outdoor power supply that is typically used to power 12-inch domes as well as 8-inch heavy-duty CyberDomes.

The wall-mountable, 24 VAC/100 VA unit can power a dome's pan/tilt assembly, camera, heater, and fan. It can be powered from either a standard 110 or 220 VAC source. Mounting hardware is included.

## **KTP Power Supply Series**

*Power Supply Options for a Variety of Applications*



### Standard Features

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- **Options for a variety of power requirements**
- **Indoor and outdoor alternatives**
- **Compatibility with CyberDome accessories (KTP-24 and 24C only)**
- **Compact designs**
- **Easy installation**

# KTP Power Supply Series

Power Supply Options for a Variety of Applications

## Specifications

### KTP-24-8

#### Options

- 230 VAC input (E4): A KTA-24-8 which accepts a 230 VAC input can be ordered.
- Accessories: Rack-mount (KTP-00-24): A black, anodized aluminum panel allows the KTP-24-8 to be installed in a standard 19 in rack. The unit occupies 1 rack unit (1.75 in) of space.

#### Electrical

- Input  
Voltage: 115 VAC/230 VAC  
Power: 192 VA
- Outputs (up to 8)  
Voltage: 24 volts  
Current: 1 amp maximum

#### Connections

- Input: IEC 320 115 VAC power connector (6 ft mating cable provided)
- Output: Terminal strips (2)

#### Mechanical

- Weight: 6.65 lb (3.02 kg)
- Material: 0.05 in (1.27 mm) aluminum housing
- Finish: Black anodized

### KTP-24C

#### Options

- 220 VAC input (E4): A KTP-24C which accepts a 220VAC input may be ordered.

#### Electrical

- Input: 110 VAC
- Output: 24 VAC
- Power: 56 VA

#### Connections

- Input: Terminal positions 4-6
- Output: Terminal positions 1-2

#### Mechanical

- Weight: 2.4 lb (1.09 kg)
- Material: Impact-resistant polycarbonate
- Finish: Light gray

### KTP-24

#### Options

- 220 VAC input (E4): A KTP-24 which accepts a 220 VAC input may be ordered.

#### Electrical

- Input: 110 VAC
- Output: 24 VAC
- Power: 100VA

#### Connections

- Input: Black, white, green 18 ga. wire
- Output: Red 18 ga. wire (2)

#### Mechanical

- Weight: 3.3 lb (1.5 kg)
- Material: Impact-resistant polycarbonate
- Finish: Light gray

## Power Cable Size

The size of the cable that supplies 24 volts to the load is important. If the cable is too small, the voltage drop can result in improper operation. The following formula can be used to determine what voltage will be supplied to the load when different wire sizes are used.

$$V_L = V_T - \frac{P_L \times R_w \times D_w}{V_T \times 500}$$

where

- $V_L$  = Voltage Load
- $P_L$  = Power Load Req. in Watts
- $D_w$  = Distance of Wire (in feet) between Load and KTP-24-8
- $R_w$  = Wire resistance in Ohms (from Table)
- $V_T$  = Transformer Voltage

| American Wire Gauge/Resistance Values |                        |
|---------------------------------------|------------------------|
| Wire Gauge Size                       | Ohms Per 1000 Feet (R) |
| 10                                    | 1.02                   |
| 12                                    | 1.62                   |
| 14                                    | 2.58                   |
| 16                                    | 4.09                   |
| 18                                    | 6.51                   |
| 20                                    | 10.4                   |
| 22                                    | 16.5                   |

For ordering information, see the [CyberDome Quick Ordering Guide](#).