

Video, Power, Data (VPD) Balun with Voltage Converter

EVT-PB1-L05Q 0.5A, Input 12/24VAC/VDC, Output 5/12/24VDC

The ENFORCER EVT-PB1-L05Q Video, Power and Data (VPD) Balun with Voltage Converter combines the flexibility of a VPD Balun with the ability to convert AC or DC voltage for use in low voltage DC applications. The VPD balun with voltage converter changes 12/24VAC/VDC input voltage to a regulated 5/12/24VDC adjustable output voltage. Converted DC power is regulated to provide stable power suitable for voltage sensitive cameras.

Features:

- ▶ Transmit video up to 2,000' (610m) over Cat5e/6.
- ▶ Selectable 5/12/24VDC output via jumper.
- ▶ Regulated and filtered output.
- ▶ Output current protection – 500mA.
- ▶ Built-in overload protection.
- ▶ Dual-colored LED power output indicator:
Red: 5/12VDC
Blue: 24VDC
- ▶ Green power input LED indicator.
- ▶ Small size for easy installation.

Specifications:

| | | EVT-PB1-L05Q | |
|------------------------------|---------------------------|---|--------------------------|
| Voltage Converter | Output voltage | 5/12/24VDC selectable by jumper (default 12VDC) | |
| | Operating voltages | Input voltage | Regulated output voltage |
| | | 8 ~ 30 VDC/VAC | 5VDC |
| | | 15 ~ 30 VDC/VAC | 12VDC |
| | 24 ~ 30 VDC/VAC | 24VDC | |
| Output current | 500mA @ 5/12/24 VDC | | |
| Voltage output LED indicator | Red | 5/12VDC | |
| | Blue | 24VDC | |
| Current protection | PTC 500mA | | |
| Video | Range | 2,000' (610m) B/W, 1,300' Color (400m) | |
| | Video format | RS170, NTSC, PAL, SECAM, CCIR | |
| | Maximum input | 1Vpp | |
| | Insertion loss | < 2dB per pair from DC ~ 5 Mhz | |
| | Return loss | > -15dB from DC ~ 5 Mhz | |
| | Common mode rejection | 60dB, 15KHz ~ 5MHz | |
| | Frequency response | DC ~ 5 Mhz | |
| | Power | No power required for video | |
| | Dimensions | 3 1/4" x 2 9/16" x 3/4" (81 x 65 x 20mm) | |
| | Humidity range | 0 ~ 95% | |
| Temperature Range | 14° ~ 165°F (-10° ~ 74°C) | | |
| Case | PC Plastic | | |

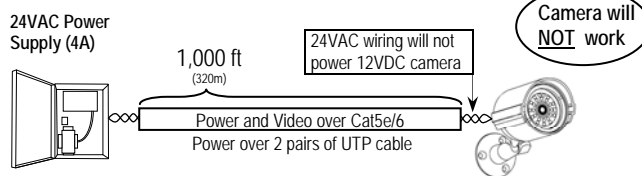


Adjustable Output Voltage:

| Input Voltage | Output Voltage | Adjustable Voltage Range |
|---------------|----------------|--------------------------|
| 8~30VDC/VAC | 5VDC | 4.5~5.6VDC |
| 15~30VDC/VAC | 12VDC | 12.2~13.5VDC |
| 24~30VDC/VAC | 24VDC | 23.0~25.2VDC |

Using 24VAC to power a 12VDC Camera:

Before:



After:

