

DC Input Outdoor POE Series

1 Amp POE Injector Power Supply



PRODUCT DESCRIPTION

The DC Input / Outdoor POE Series are Power-over-Ethernet (PoE) power supplies with integral DC Injector. They provide 1 Amp of 48V or 55V DC power f10/100 Base-T transformers for connection to an IEEE 802.3 (10/100 Base-T) compatible device. An output RJ45 connector provides the 10/100 Base-T data and 55V or other voltages for connection to the wireless modem.

- 1 Amp of 48 or 55 VDC Power
- 10.5~32VDC INput Range
- Option for easy installation on wall
- Compact size – 160 x 63 x 32 mm
- High efficiency – free convection cooling
- Full output protection OCP, SC, OVP
- Meets FCC 15 & EN55022 class B requirements
- Operating temperature range -40°C to +70° C with no derating
- CE, UL & CSA ,CCC approved

INPUT

| | |
|------------------|-------------------------|
| DC Input Voltage | 10.5~32VDC |
| Inrush Current | <100A (Max Cold Start) |
| Input Connector | Wire, stripped & tinned |
| Efficiency | 76% Minimum |

OUTPUT

| | |
|--------------------------|--------------------------------|
| Output | 55VDC / 1.00 Amp Max |
| Regulation | ± 2% max Line & Load |
| Over-Voltage Protection | 110-125% (recycle AC to reset) |
| Ripple @ Noise (V1) | 1% pk-pk max (20MHz) |
| Over Current Protection | 115-150% (auto-recovery) |
| Short Circuit Protection | Continuous |

ENVIRONMENTAL

| | |
|-----------------------|----------------------|
| Operation Temperature | -40 ~ +70C Full Load |
| Storage Temperature | -40 ~ +85C |
| Cooling | Convection |
| Humidity | <95% Non-Condensing |

ELECTROMAGNETIC COMPATIBILITY

| | |
|-------------------------|---|
| Electrostatic Discharge | EN61000-4-2, ±4KV Contact / ±8KV Air |
| Radiated Susceptibility | EN61000-4-3, 26-1000MHz, 10V/M, 80% AM |
| EFT / Bursts | EN61000-4-4, ±2KV |
| Surges | EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line |
| Conducted Immunity | EN61000-4-6, 0.15-800MHz, 10V, 80% AM |
| Voltage Dips | EN61000-4-11, 95% Dip & 10ms, 30% Dip & 500ms |
| Voltage Interruptions | EN61000-4-11, 95% Reduction, 5s |
| Fluctuations & Flicker | EN61000-3-3 |
| Harmonics | EN61000-3-2 Level A |

SAFETY & EMISSIONS

| | |
|------------------|--|
| Safety Approvals | UL/cUL 60950, EN60950, CE Mark (LVD) AS/NZS 3260 |
| EN55022 | Class B Rated |
| ETSI | EN 301 489-1, V1.4.1 (2002-08) EN301489-4 V1.3.1 (2002-08) EN301-489-17 V1.2.1 (2008-08) |

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Power Modules

| Model | Input | Output Power | Output Voltage | Output Current |
|-----------|--------------|--------------|----------------|----------------|
| 0526D4848 | 10.5-32 V DC | 48 Watts | 48V | 1.00A |
| 0526D5555 | 10.5-32 V DC | 55 Watts | 55v | 1.00A |

Outputs Connection

| RADIO-RJ-45 | Ethernet RJ-45 |
|-------------|----------------|
| Pin 1, Data | Pin 1, Data |
| Pin 2, Data | Pin 2, Data |
| Pin 3, Data | Pin 3, Data |
| Pin 4, +48V | Pin 4, N.C |
| Pin 5, +48V | Pin 5, N.C |
| Pin 6, Data | Pin 6, Data |
| Pin 7, -48V | Pin 7, N.C |
| Pin 8, -48V | Pin 8, N.C |

Revision A: 01/29/09 All specifications subject to change. Please consult Digital Power for latest specifications.