



20W Single Port Power over Ethernet Midspan IEEE802.3AF Compliant Power Injector



Features

- Compliant with IEEE802.3AF
- Non-vented Case
- Full Protection OVP, OCP
- Limited Power Source
- Gigabit Compatible
- 1 year warranty

Applications

- IP Telephones
- Wireless Access Points
- Bluetooth® Access Points
- Security Cameras
- IP Print Servers
- WiMAX® Access Points

Safety Approvals

- cUL/UL
- CE

Mechanical Characteristics

- Length: 140mm (5.51in.)
- Width: 65mm (2.55in.)
- Height: 36mm (1.42in.)
- Weight: 0.2Kg (7.58oz)

Output Specifications

Model	AC Input	DC Output Voltage	Load		Regulation	
			Min.	Max.	Line	Load
POE29U-1AF	Three Wire	56V	10mA	357mA	±5%	
POE29W-1AF	Two Wire	56V	10mA	357mA	±5%	

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INPUT:**AC Input Voltage Rating**

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Current

0.8A (RMS) maximum at 120VAC

0.55A (RMS) maximum at 240VAC

AC Input Frequency

47 to 63Hz

Leakage Current

350uA maximum for U models

250uA maximum for W models

Max In-rush Current

60A maximum at 240VAC and maximum load

(Cold Start at ambient 25°C)

OUTPUT:**Output Power**

20W

Hold up Time

10mSec minimum at maximum load at

120VAC, 60Hz

Transient O/P Voltage Protection

60V maximum at switch on/off at any AC line phase

Efficiency

80% Typical at maximum load at 120VAC, 60Hz

ENVIRONMENTAL**Temperature**

Operation -20 to +50°C

Non-operating -20 to +70°C

Humidity 5 to 90%

EMI

EN55022 Class B

FCC part 15 Class B

EMC

ESD: IEC61000-4-2 Level 3

RS: IEC61000-4-3 Level 3

EFT/Burst: IEC61000-4-4 Level 2

Surge: IEC61000-4-5 Level 3

CS: IEC61000-4-6 Level 3

Voltage Dips: IEC61000-4-11

Harmonic: IEC61000-3-2 Class A

Isolation (HI-POT)

Primary to secondary: 1500VAC for 1 minute, 10mA

Insulation Resistance

Primary to secondary: 10M Ohm 500VDC

FEATURES:**Over Voltage/Current, Short Circuit Protection**

The output can be shorted permanently without damage.

Indicators

Solid Green: Valid IEEE802.3af load detected and connected "ON"

Blinking Green: Power "ON" ready for connection

Blinking Green/Red: Invalid load connected

Blinking Red/Green: fault

AC Input Connector

IEC320 C14 - U Models – three wire

IEC320 C8 – W Models – two wire

Output Connection

+pins 3,6 / -pins 1,2

Data IN/POE OUT Connector

RJ45

Dimension Diagram Unit: mm

