



19.6W Power Over Ethernet Adapter PSA20U High Power single port injector.



Preliminary



Features

- Fully Compliant detection, disconnect, over load and voltage control IEEE802.3af
- Diagnostic LEDs
- Non-Vented Case
- UNH IOL Test Report
- Full Protection OCP, OVP
- Gigabit Compatible

Applications

- IP Telephones
- Wireless Network Access Points
- Blue Tooth Access Point
- Security Camera
- IP Print Servers

Safety Approvals

- cUL/UL
- CE
- TUV

Mechanical Characteristics

- Length: 140mm (5.51in)
- Width: 65mm (2.55in)
- Height: 36mm (1.42in)
- Weight: 0.2Kg (0.44lb.)

Output Specifications

Model	DC Output Voltage	Load		Regulation	
		Min.	Max.	Line	Load
PSA20U-560(G)	56V	0A	0.35A	±4%	

Ripple And Noise*	Vp-p*
<500Hz	0.5
500Hz-150KHz	0.15
150KHz-500KHz	0.15
500KHz-1MHz	0.1

*As per IEEE802.3af Table 33-5.

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INPUT:

AC Input Voltage Range

90 to 264VAC

AC Input Voltage Rating

100 to 240VAC

AC Input Current

0.5A(RMS) max. for 90VAC
0.35A(RMS) max. for 240VAC

Leakage Current

0.25mA max. @ 254VAC 60Hz

AC Input Frequency

47-63Hz

AC Inrush Current

15A(RMS) max. for 115VAC
20A(RMS) max. for 230VAC

OUTPUT:

Total Output Power

19.6W

Efficiency

65% (typical) at Max. load, and 120VAC 60Hz

Hold-up Time

16mS min. 120VAC and max. load

Transient O/P Voltage Protection

60V max. at switch on and off at any AC line Phase

ENVIRONMENTAL:

Temperature

Operation 0 to +40°C
Non-operation -25 to +65°C

Humidity

Operation 5 to 90%

EMC

FCC Part 15 Class B
EN55022 Class B

Isolation Test

Primary to Secondary: 3000VAC for 1 minute 10mA
Primary to F.G.: 1500VAC for 1 minute
Output to F.G.: 1500VAC

Immunity

ESD: EN61000-4-2. Level 3
RS: EN61000-4-3. Level 2
EFT: EN61000-4-4. Level 2
Surge: EN61000-4-5. Level 3
CS: EN61000-4-6. Level 2
Voltage Dips EN61000-4-11
Harmonic: EN61000-3-2

Insulation Resistance

Primary to secondary: >10M OHM 500VDC
Primary to FC: >10M OHM 500VDC

FEATURE:

Over Voltage/Current, Short Circuit Protection

Outputs equipped with short circuit protection and overload protection as per 802.3af specification
The output can be shorted permanently without damage

Indicators

Led #1 indicator for input power “on” GREEN
Led #2 Indicator for fault-RED
Led #3 Indicator that Detected and Connected to valid IEEE802.3af load-GREEN

Input Connector

IEC320 inlet 3 pin

Dimension Diagram Unit: mm (inch)

