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# AF-Lightning® Isolated 802.3af PoE power for iPads®

Lightning® connector is a registered trademark of Apple Inc®



## [Product Description - AF-Lightning® PoE supply adapter](#)

This device provides a low cost solution for delivering power to a Lightning® device over 328ft of network cable. This splitter allows power to be carried on CAT-5e or CAT-6 network cables using either 802.3af standard or 48 volt passive PoE. 802.3at switches can also be used – but only 12 watts will be requested. This device is power only – no data is supported.

Intended for use with any 802.3af or 802.3at PoE switch – this active PoE solution negotiates with the switch to activate power and provide it to the client device. It is a compact and cost effective power solution. The PoE switch supplies 48 or 56 volts DC at the source location. The higher DC voltage means the current is reduced by a factor of 9 compared to 5 volts, and then carried with 90% less loss over the Ethernet cable from the source, the 5v converter at the remote end allows you to extend the charge distance for this application up to 328ft or 100 meters.

### Simple usage:

- Step a) connect your PoE switch to an Ethernet cable ( data is not required)
- Step b) use an Ethernet cable to connect the RJ45 female to your PoE switch up to 100 meter distance.
- Step c) connect the Lightning® male adapter to your Apple device
- Step d) enable the wifi on the iPad

The Ethernet cable can be 568A or 568B style.

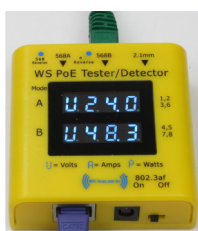
### Specifications

Power source	RJ 45 female connector
DC output	Apple Lightning
Data	Not provided
Data+Power input Pins ( 802.3af mode A or mode B )	1&2 and 3&6 – either polarity 4&5 plus and 7&8 minus
Input Voltage Max	Up to 57 volts
Input Current at 48v	265 ma input delivers 2 amps out
Output Voltage Max load (5v10w)	5v +- 2% at 2 amps 10 watts
Output Voltage no load	5.2v
Operating Temperature	0°C ~ 50°C
Size	24 x 30 x 80 mm with 20 cm cord
Weight	2.5 ounces
Isolation	3,000 volt isolation between PoE and power out



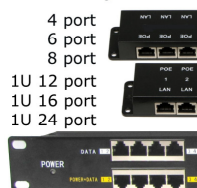
Powered by Ethernet wire

Use with any mode A PoE-World PoE injector or PoE switch



PoE Tester

### PoE Injectors



PoE-World injectors



Also available with Data