



PoE World

World Class  
Injectors Switches Splitters  
Extenders Testers

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PoE-World Brand  
**GAF-Lightning®**  
**Isolated Splitter**  
**power for**  
**iPads®**

Lightning® connectors is a registered trademark of Apple Inc®



Product Description - GAF- Lightning® PoE supply

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 10/100/1000 network cables with either 802.3af or passive injectors or switches with any CAT5e, CAT6 or CAT7 Ethernet network cable.

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) use an Ethernet cable to connect the RJ45 female to your PoE switch up to 100 meter distance.  
Step b) connect the Lightning® male adapter to your Apple device

The Ethernet cable can be 568A or 568B style, and only 2 pairs (orange and green) are required.

Specifications

|   |   |
|---|---|
| Power source  | RJ 45 female connector  |
| DC output   | Apple Lightning   |
| Data  | Not used – use WiFi for data<br>see GAF-Lightning-PD for data+power |
| Data+Power input Pins<br>( 802.3af mode A or mode B ) | 1&2 and 3&6 – either polarity<br>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                      |

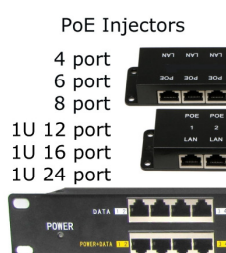


\*Also available with Data and USB

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



PoE Tester



PoE-World injectors



Any PoE Switch