



Solar Powered Attic Fan Installation Guide and Check List

Determining Quantity of Attic Fans to Install

Based on one (1) CFM per square foot of attic space

1. For single story (bungalow):

- a. Up to 500 square feet, install (1) 19W-MOD fan.
- b. 500 - 1000 square feet install (2) 19W-MOD fans or (1) 18W-INT fan
- c. 1000 - 1500 square feet install (3) 19W-MOD fans or (2) 18W-INT fans or (1) 40W-INT fan
- d. 1500 - 2000 square feet install (4) 19W-MOD fans or (3) 18W-INT fans or (1) 40W-INT fan

2. iSolar average CFM outputs during direct sunlight hours

- a. 19W-MOD = 250 CFM
- b. 18W-INT = 850 CFM
- c. 40W-INT = 1,100 CFM

Note: Most manufacturers rate their fans based only on the fan motor peak CFM output and not the average CFM performance during all direct sunlight hours.

It is important to spread the ventilation points as far apart as possible and as close to the apex of the roof as possible.

Solar Attic Fan quantity on any roof should not exceed 1/3 of the number of existing passive vents; Two Solar Attic Fans should never be installed too close to each other (at least 15 feet apart); and

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