



SPECIFICATIONS

iSolar 50WSPF-FLEX

Solar Powered Attic Fan

THE NEXT GENERATION IN SOLAR VENTILATION BY ISOLAR SOLUTIONS

THE WORLD'S MOST FLEXIBLE SOLAR POWERED VENTILATION SOLUTION

iSolar 50WSPF-FLEX

Modular Solar Powered Attic Fan



iSolar FLEX Line Solar Powered Ventilation Fan Sizing Guide

Attic Area Vented (Sq. Ft.)	FLEX Line Model Number	Solar Panel Size (Watts)	Fan Quantity	Fan Diameter (in./mm)	Fan CFM MAX	Total CFM MAX
0-500	20W106-FLEX	20	1	6/172	305	305
500-1000	50W108-FLEX	50	1	8/200	570	570
500-1000	50W206-FLEX	50	2	6/172	305	610
500-1000	80W110-FLEX	80	1	10/254	860	910
1000-1500	50W208-FLEX	50	2	8/200	570	1140
1500-2000	50W210-FLEX	50	2	10/254	710	1420
2000-2500	50W308-FLEX	50	3	8/200	570	1710
2000-2500	80W210-FLEX	80	2	10/254	860	1680
2500-3000	50W310-FLEX	50	3	10/254	710	2130
3000-3500	80W408-FLEX	80	4	8/200	570	2280
3500-4000	80W310-FLEX	80	3	10/254	820	2460
4000-4500	80W410-FLEX	80	4	10/254	800	3200

A modular roof or wall mount solar attic fan that easily retrofits into existing vent openings or with a new hole cut to 10" to 12".

A single 50 watt panel can be located anywhere on the roof and power up to 4 fans!

A natural solar energy driven fan, making high efficient yet quiet ventilation via its top grade brushless motor. An energy-saving ventilation solution for a healthy and comfortable environment.

- Power: 50W Solar panel
- Solar Panel: Monocrystalline, adjustable angle bracket size: 49x58x2.5 cm (19.2x22.8x1 in.)
- Fan Blades: Composite plastic high velocity fan blades. 6-8" Fan - (5) blades, 10" Fan - (7) blades
- Cable: 1m (39 in.) length cable with SAE plug to connect solar panel and fan.
- Fan Mounting Plate: One-piece fan and mounting plate for easy retrofit under existing or new vent covers. 40.9x40.9 cm (16.1x16.1 in.)
- Fan Dimensions: 6" Fan-17.2x5.1x5 cm (6.7x6x2 in.)
8" Fan-20.0x20x6 cm (7.8x7.8x2.3 in.)
10" Fan-25.4x25.4x8.9 cm (10x10x3.5 in.)
- Air Movement: 6"/8"/10" - 350 / 570 / 820 CFM *
- Thermal Auto Shut-off Switch: Optional Shut-off Switch - Set to 20C/68F (special order)

MOTOR

- Type: Brushless DC
- Voltage: 1.5-2.5A~24V
- Power: ≤ 50W
- Size: 7.6 cm (3 in.) diameter
- Motor Speed: < 4000 RPM
- Quietness: Very quiet at < 67 dB
- Material: Aluminum and plastic, high quality ball bearings. (rated for 50,000 hours of continuous operation)
- Intrusion Protection: IP68 (Water Proof) Potting Compound
- Packaging: Varies, 46x38.8x9 cm (18.1x15.4x3.5 in.)
- Weight: Varies, 4.03 kg. (8.9 lbs.)
- Applications: Roof/Attic, Sheds, Garages & Outbuildings

- Removes moisture, harmful mold, mildew and gases
- Extends lifespan of roofing materials
- Reduces wear on air-conditioners
- Balances indoor temperature
- Prevents ice-damming in winter (without thermal auto shut-off)
- Reduces electricity bills

* Due to lack of industry standards, CFM is often quoted as the maximum peak output of a bare fan in laboratory conditions. iSolar CFM is representative of operating in typical attic conditions ranging in output from 250 CFM to a maximum of 820 CFM, depending on intensity of the sunlight and duration of direct sunlight on the panel.