



iSolar 80WSPF-FLEX

Modular Solar-Powered Attic Fan

SPECIFICATIONS

THE WORLD'S MOST FLEXIBLE SOLAR-POWERED VENTILATION



80WSPF-FLEX MODEL OPTIONS

Attic Area (sf)	Model #	Fan qty/size	Total CFM
500-1000	80W110-FLEX	1 / 10"	910
1000-1500	80W306-FLEX	3 / 6"	915
1000-1500	80W208-FLEX	2 / 8"	990

*all 10" fans require will not fit in a traditional 50 NFA vent cover and require a new larger vent cover.

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.

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

A modular roof or wall mounted solar attic fan that easily retrofits into existing vent openings or with a new hole cut 8" to 12" depending on fan size selected.

A single 80 watt panel can be located anywhere on the roof and power up to 3 fans.

Power	80W Solar Panel
Solar Panel	Monocrystalline, adjustable angle bracket size: 68X76x3 cm (26.7x30x1.2 in.)
Fan Blades	6-8" Fan (5) Composite plastic high velocity fan blades. 10" Fan - (7) blades
Cable	1m (39 in.) length cable with SAE plug to connect solar panel 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" - 305/610/910 CFM* (per fan)
Thermal Auto Shut-off Switch	Optional Shut-off Switch - Set to 20C/68F (special order)
Packaging	Panel 74.9x7.9x77.7 cm (29.5x3.1x30.6 in.) Fan varies up to 41.7x10x40.9 cm (16.4x4x16.1 in.)
Weight	Varies up to 9.5-10.4 kg. (21-23 lbs.)
Application	Roof/Attic, Sheds, Garages & Outbuildings

MOTOR	Type	Brushless DC
	Voltage	1.0-3.5A~24V
	Power	≤ 80W
	Size	7.6 cm (3 in.) diameter
	Rated Speed	2500-4000 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

Due to lack of industry standards, CFM is often quoted as the maximum peak output of the bare fan in laboratory conditions. iSolar CFM is representative of operating in typical attic conditions ranging in output from 200 CFM to a maximum of 910 CFM per fan, depending on intensity of the sunlight, duration of direct sunlight on the panel, and the size of the fan selected.

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