



iSolar 20WSPF-FLEX

Modular Solar-Powered Attic Fan

SPECIFICATIONS

THE WORLD'S MOST FLEXIBLE SOLAR-POWERED VENTILATION



20WSPF-FLEX MODEL OPTIONS

Attic Area (sf)	Model #	Fan qty/size	Total CFM
0-500	20W106-FLEX	1 / 6"	305

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 10".

Generally requires two units that can be strategically located on a roof for optimal air-flow.

Power	20W Solar Panel
Solar Panel	Monocrystalline, adjustable angle bracket size: 35X42x2.5 cm (13.7x16.5x1 in.)
Fan Blades	(5) Composite plastic high velocity fan 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	17.2x15.2x5 cm (6.7x6x2 in.)
Air Movement	< 305 CFM *
Thermal Auto Shut-off Switch	Optional Shut-off Switch - Set to 20C/68F (special order)
Packaging	41.7x8.6x42.1 cm (16.4x3.4x16.6 in.)
Weight	4.3 kg. (9.5 lbs.)
Application	Roof/Attic, Sheds, Garages & Outbuildings

MOTOR

Type	Brushless DC
Voltage	1A~24V
Power	≤ 20W
Size	7.6 cm (3 in.) diameter
Rated 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

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 305CFM, depending on intensity of the sunlight, and duration of direct sunlight on the panel.

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