



SOLAR POWERED SOFFIT FANS LLC

www.spsfans.com

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Solar Powered Soffit Fan Safety

- Before installing, check your local permit, installation, and inspection requirements. Your Solar Powered Soffit Fan has been designed and manufactured to meet generally applicable codes. It is the buyer's responsibility to ensure that the installation of Solar Powered Soffit Fan meets local codes and regulations.
- Solar panel mounts must be attached directly and solidly to solid structure. For roof edge mounts, if flashing or sheet metal is present, make sure there is solid backing between it and the structure and that proportionately longer screws into the roof truss are used.
- Never handle the fans by the blades, or touch the blades with tools!
- Never touch the fan blades when the cables are connected.
- Never use a damaged fan, PV module, or electrical cable!
- Solar Powered Soffit Fan electrical connections should only be those described in the Instructions.
 - Never electrically interconnect Solar Powered Soffit Fans except as shown.
 - Never connect Solar Powered Soffit Fans to ANY other electrical system.
 - Never connect Solar Powered Soffit Fans to larger or higher voltage PV sources.
- Never substitute parts.
- Locations to Avoid –
 - Don't install the Solar Powered Soffit Fans in the vicinity of furnace or gas water heater flues, or wall fireplace flues, as their exhaust gases can be drawn into the residence by the fans.
 - Don't install Solar Powered Soffit Fans near electric, CATV, or phone wire roof or outer wall service entrances.
 - Don't install Solar Powered Soffit Fans in soffit areas that already contain electrical wiring of any kind.
 - Don't install Solar Powered Soffit Fans in, or use Solar Powered Soffit Fans to ventilate, hazardous areas having combustible, flammable, corrosive, or explosive atmospheres.
 - Don't use the Solar Powered Soffit Fan Solar Panel Flex Mounts on open roof gable fascia without confirming adequate structural strength, as open gables are generally non-structural elements.
 - Don't install Solar Powered Soffit Fans over house vent, plumbing vent, or kitchen vent outlets.
 - Don't install Solar Powered Soffit Fans over trash receptacles, as odors may be drawn into the house by the fans.
- Soffits may contain dust, fibers, construction debris, attic insulation, biological debris, pollen, and other materials that can become airborne if they are disturbed. Always wear proper respiratory protection when opening a soffit vent for the first time.
- Always wear proper eye protection when installing Solar Powered Soffit Fans.
- Keep hands and tools away from fan blades whenever the PV module cable is connected to the fan cable. The fans start automatically and can cause injury. Never reach into a soffit, or insert a tool into a soffit, that has a fan installed without first disconnecting the PV module cable.

- Never directly look at the discharge of a fan that is connected to the PV module unless wearing eye protection.
- Do not proceed with Solar Powered Soffit Fan installation if your house was built with asbestos insulation, or other asbestos building materials, until it is professionally determined that the soffits and attic are asbestos-free.
- Soffits vents may contain sharp edges, including protruding nails, staples, screws, and other construction hardware and fasteners. Use care when reaching into soffits. Carefully check for sharp edges, and cover them with rags or cardboard before reaching into a soffit vent opening. If nails will interfere with fan installation, either cut them off or bend them over. DO NOT drive them out, as this will damage the roof.
- Solar Powered Soffit Fan installation may require the use of portable ladders or scaffolding. Portable ladder and scaffolding manufacturers' safety precautions and procedures should always be followed. Also see www.osha.gov for additional related safety information.
- Solar Powered Soffit Fans are intended for use inside dry soffits only. Never expose Solar Powered Soffit Fans directly to water or wet surfaces.
- Solar Powered Soffit Fan spring mount ends may be sharp and could cause injury if mishandled, use caution when handling.
- Ceilings, hip walls, and accesses to attic and attic crawls spaces and voids from living areas should be sealed in accordance with applicable building codes, to prevent attic air from entering the living areas.
- Solar Powered Soffit Fan installation assumes that the residence is built to, and complies with, the minimal requirements of generally-accepted building codes. The ability to be left in place and withstand high velocity winds may require some structural reinforcement. It is the buyer's responsibility to ensure that the residence meets these requirements.
- If additional metal fasteners are used to attach the mount to the building, make sure they are good quality non-corrosive steel.
- The inside of the soffit should be checked for safety hazards, general condition, and open airway into the attic, insulation, and soffit framing details. If roof leaks, rot, mold, or other damage is present, they should be repaired before Solar Powered Soffit Fan installation.