Scan for Datasheet

Support contact information
In case of any technical issues with SolarEdge products, please contact us at:
https://www.solaredge.com/service/support

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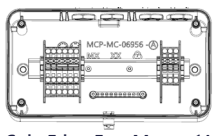
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Quick Installation Guide

SolarEdge Fast Mount 14 (SFM14)

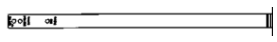
for North America

What's in the package


SolarEdge Fast Mount 14


SolarEdge Fast Mount 14 cover


Cable pipe fittings


Mounting template

Two Spacers

Required tools


Drill with 1 ¼"

Phillips screwdriver

Pencil

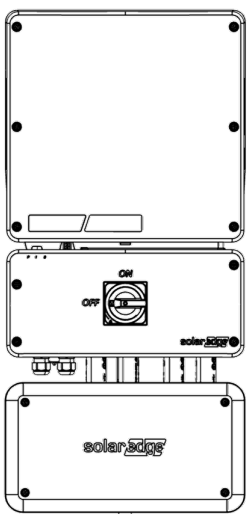
Flat screwdriver


X 3
Mounting screws and wall plugs

Level


Conduit nut wrench

Configuration



Safety and handling instructions

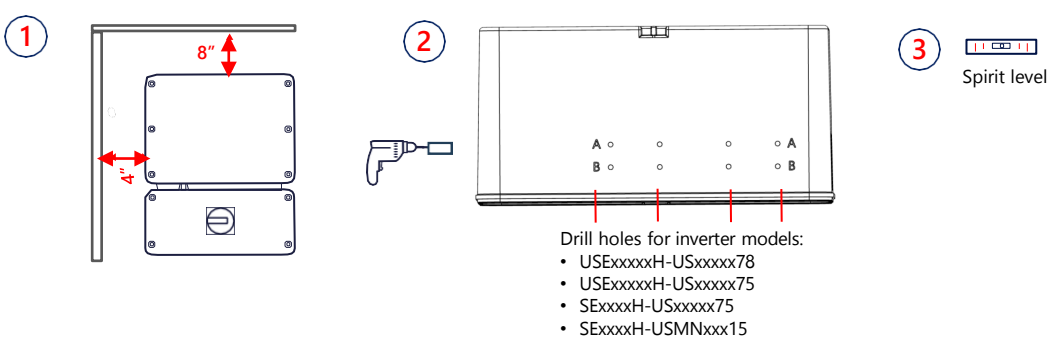
- Read this entire document before installing the SolarEdge SFM14. Failure to do so or to follow any of the instructions in this document can result in electrical shock, serious injury, or death, or may damage the SFM14 and other property, and can also lead to a voided warranty.
- Do not discard this document. After installation, keep it adjacent to the SFM14 for future reference.
- Before operating the SolarEdge Inverter, ensure it is connected to a grounded, metal, permanent wiring system, or run an equipment-grounding conductor with the circuit conductors and connect them to the equipment grounding terminal or lead. Grounding of the SFM14 itself is optional – see step 4.1.
- When placing the new inverter on the wall, ensure that the DC disconnect switch's placement is no more than 6'7" from the floor, according to NEC 2017, section 404.8(A).
- Opening the SFM14 under power must be performed only by qualified service personnel familiar with the SFM14.

Drill knockouts and mount the SFM14

1

The SolarEdge Fast Mount (SFM14) is designed to facilitate the outdoor cabling of SolarEdge systems.

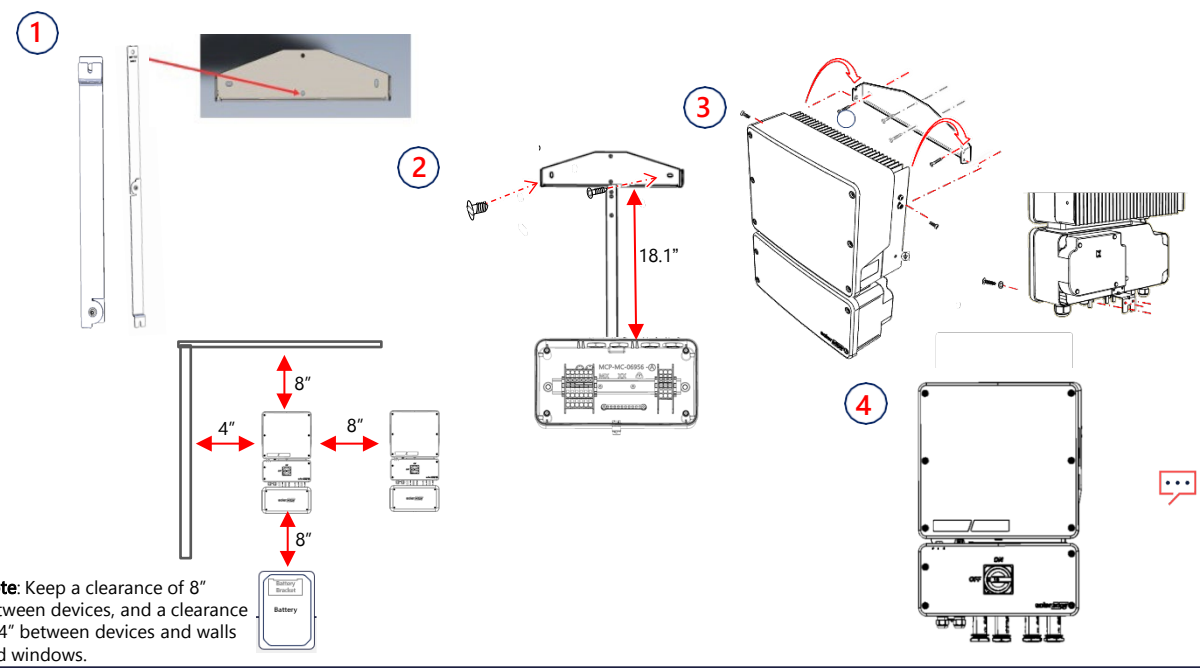
1. Measure the clearance for the inverter.
2. Drill the holes for the SFM14 pipes to be inserted. If you are using spacers to attach the SFM14 to the wall, drill holes in **Row A.** If you are attaching the SFM14 flush to the wall, drill holes **in Row B**.
3. Level the SFM14 near the existing conduits on-site, so the conduits can be drilled into the bottom or the sides of the SFM14.



Drill holes for inverter models:
- USExxxxxH-USxxxxx78
- USExxxxxH-USxxxxx75
- SExxxxH-USxxxxx75
- SExxxxH-USMNxxx15

Mount the inverter and connect the pipes

2



Note: Keep a clearance of 8" between devices, and a clearance of 4" between devices and walls and windows.

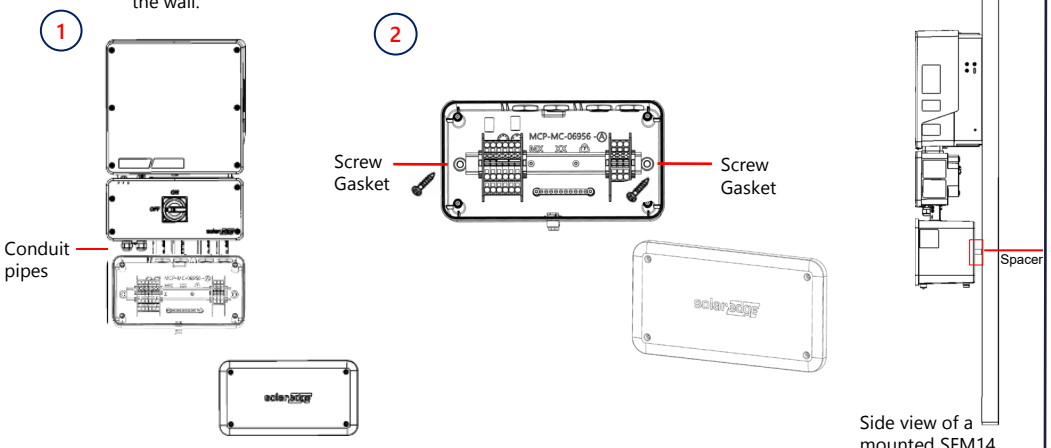
1. When the SFM14 is leveled on the wall, insert the slotted end of the unfolded mounting template into the SFM14 groove. Mark the location of the bottom inverter bracket hole using the template.
2. For verification of the distance between the SFM14 and the inverter bracket, measure 18.1" from the top edge of the SFM14 to the lower hole on the bracket of the inverter. Drill the mounting holes for the inverter's mounting bracket and then mount the bracket to the wall.
3. Mount the inverter on the bracket and then attach the supplied screws to secure the inverter. Install the connection unit bracket to the wall.
4. Insert the pipes through the inverter's conduit holes and lock them with the pipe nuts.

Note: SolarEdge recommends connecting pipes loosely on both sides, and once they are inserted, tighten them firmly for a secure connection.

Mount the SFM14

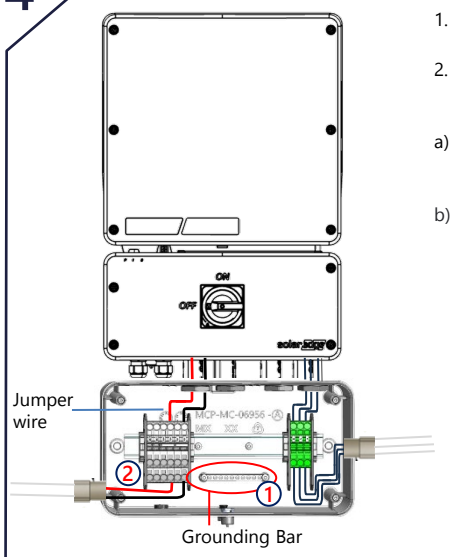
3

1. Connect and tighten the nuts of the pipes inside the SFM14. Connect the existing conduits on-site to the SFM14.
2. If you drilled knockouts in **Row A**, mount the SFM14 by inserting screws through the screw gaskets into the spacers, which must be placed between the SFM14, and the wall.



Connect the cables

4



1. Use the Grounding Bar if needed. Tighten the screws of the Grounding Bar to 3 lb*ft (4 Nm).
2. If required, use the AC and DC terminal blocks in the SFM14 before threading the wires through the pipes, as described below:

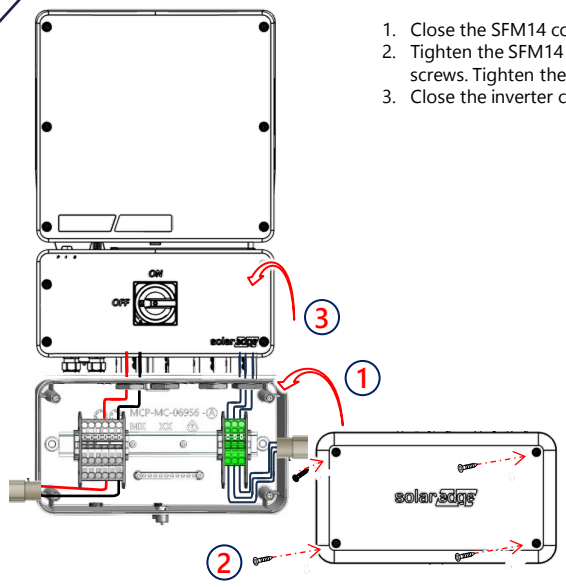
a) Up to three DC strings, use the same stringing that you installed in older inverters. From the SFM14 to the inverter, use the same gauge jumper wire for each string.

b) For more than three strings, combine them and run not less than size 8 AWG wires to the DC terminal block in the SFM14. From the SFM14 to the inverter terminal blocks, use the same gauge jumper wire.

IMPORTANT: Make sure every drilled hole is properly sealed.

Close the SFM14

5



1. Close the SFM14 cover.
2. Tighten the SFM14 cover with the four supplied screws. Tighten the screws to 2.6 lb*ft (3.5 Nm).
3. Close the inverter cover.