

EMF & Solar Energy Systems: What Homeowners Need to Know

Concerned about EMF (electromagnetic fields) from solar panels or nearby solar farms?
Here's what the facts show:

Common Household EMF Sources (for Comparison)

- Microwave (3 ft): Up to 50 mG
- Refrigerator (3 ft): ~6 mG
- Smartphones: 2 to 20 mG (drops with distance)
- Power lines: 1 to 50 mG (varies with load)
- Typical home background: 0.2 to 1 mG

Solar Systems Produce Very Low EMF

- Solar Farm Inverter:

East side minimum distance (150 ft away): ~0.1 to 0.2 milligauss (mG)

North side minimum distance (1,000 ft away): <0.05 mG.

These levels are much less than typical home background levels of 0.2 to 1 mG.

Key Point

EMFs drop off quickly with distance — even moving a few feet away reduces exposure significantly.

Bottom Line for Homeowners

Solar panels and inverters produce far less EMF than common household devices. Everyday appliances like microwaves, refrigerators, and smartphones expose homeowners to much higher EMF levels than solar energy systems.

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