

Understanding Your Bidirectional Solar Meter



Topic	Description	Details
Understanding Your Bidirectional Solar Meter	A device installed by the utility company after solar panel installation.	Tracks energy usage by measuring both the power imported from and exported to the grid.
The Core Purpose	Measures two-way energy flow for grid-tied systems.	Tracks energy imported from the grid when solar panels cannot meet demand, and exports surplus energy back to the grid.
How It Works	Operates dynamically based on your home's energy needs.	Records kilowatt-hours of energy imported when demand exceeds solar production and exported when surplus occurs.
Decoding Display Codes	Helps interpret values shown on the meter.	Displays energy delivered (e.g., DEL, A+) and received (e.g., REC, A-); newer meters may calculate net usage automatically.
Importance for Money and Policy	Plays a central role in financial incentives like net metering credits.	Highly regulated for accuracy and ensures fair financial settlements for energy usage and contributions.
Questions for Utility or Installer	Clarifies meter usage and features.	Ensure understanding of meter labeling, billing details, and time-of-use pricing. Confirm smart features and ownership policies.
FAQs	Addresses homeowner concerns.	Meters do not work during outages without a battery system. They operate independently of Wi-Fi for utility communication.
Taking Charge of Energy	Empowers homeowners to optimize solar investments.	Understanding meters enhances savings and promotes environmental sustainability by efficiently using renewable energy.