

SunWize Residential Grid-Tie Systems

Homeowners can generate their own electricity from the sun



SunWize Residential Grid-Tie Systems generate clean energy from the sun reducing your dependency on utilities. In many states, when the system is generating more electricity than is being used, you can sell the excess electricity to the local utility. You'll take comfort in knowing you've made the right choice that helps to preserve the environment and leaves a cleaner world for your children.

SunWize systems are easy to operate

SunWize Residential Grid-Tie Systems are quiet and operate automatically. The system "wakes up" and begins to deliver power as the sun rises and "goes to sleep" as the sun sets. On-site installation can be completed within a few days. Because there are no moving parts, SunWize systems are virtually maintenance free. All components carry an Underwriters Laboratory (UL) listing and meet the National Electrical Code®, the benchmark for safe and efficient electrical installations.

Your system includes everything you need

Solar Modules with roof mounting structure. Solar modules convert sunlight into DC power and are attractively mounted on the roof of your home.

SunWize Power Center – mounted in your garage, basement or on the outside of your home and includes:

- Inverter with LCD meter – converts DC power produced by the solar modules to household AC power.
- AC/DC Disconnect Switches – allows the modules to be disconnected from the inverter and the inverter to be disconnected from the utility grid.
- Optional kWh Electric Meter – displays net power produced by your system.

Complete Documentation and owner's manuals.

- Generate your own electricity and reduce your electric bill
- Protect against future rate increases
- Produce electricity from free sunlight and watch your meter spin backwards
- Reduce the burning of fossil fuels contributing to a healthier environment
- Increase the value of your home
- Save money on your system purchase with state rebates and incentives
- Solar modules have a 25-year warranty
- Systems typically have a lifetime of 40+ years



SunWize® Residential Grid-Tie Systems

Grid-Tie Systems include:



1. Sanyo® 190W Solar Modules deliver top-quality performance and are ideal for high voltage grid-tied inverters. All modules feature standard 36" cables with Multi-Contact (MC) connectors. Sanyo modules are UL Listed and carry a 20-year, 80% power output warranty.

2. UniRac® SolarMount™ Mounting Structure – With rail splice kits and top down clamps.

3. Pre-wired SunWize Power Center for the Fronius IG2000, IG3000, IG4000 or IG5000 grid-tie inverter, aluminum back panel, NEMA 3R–UL listed, AC and DC disconnect switches and an optional cumulative kWh utility-grade meter.



Power Center with Fronius Inverter

4. Fronius UL Listed Grid-Tie Inverter:

The Fronius IG2000, IG3000, IG4000 or IG5000 features a user friendly LCD display, plug and play system upgrades, flexible performance monitoring, a 5-year comprehensive

warranty and a rugged NEMA 3R enclosure. 208V systems available. **Inverter ships separately.**

5. Wiring – Includes MC interconnect extension cords and wire clips, PV grounding system, junction and pull boxes. The home-run wiring from the solar array to the main panel is supplied by the installer.

6. Documentation - Includes electrical drawings, comprehensive and detailed documentation and owner's manual.

System Part Number	Sanyo Module	# Series x Parallel	Inverter Max. kW	Output VAC	PV Array Total Watts	PV Array PTC Rating Watts
999GTS520	HIP-190BA3	6 x 1	2.0	240	1140	1072.0
999GTS521	HIP-190BA3	4 x 2	2.0	240	1520	1430.0
999GTS522	HIP-190BA3	5 x 2	2.0	240	1900	1787.0
999GTS540	HIP-190BA3	6 x 2	2.7	240	2280	2144.0
999GTS541	HIP-190BA3	5 x 3	2.7	240	2850	2681.0
999GTS542	HIP-190BA3	4 x 4	2.7	240	3040	2859.0
999GTS544	HIP-190BA3	6 x 3	4.0	240	3420	3216.6
999GTS545	HIP-190BA3	6 x 4	4.0	240	4560	4288.8
999GTS620	HIP-190BA3	6 x 4	5.1	240	4560	4288.8
999GTS621	HIP-190BA3	7 x 4	5.1	240	5320	5003.6
999GTS622	HIP-190BA3	5 x 5	5.1	240	5700	4467.5
999GTS623	HIP-190BA3	6 x 5	5.1	240	6080	5361.0

GTS Options: **M** – Utility grade kWh meter (adds to power center); **T** – For tile roof (add tile-trac sets); **Z** – without mounting structure

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