

SunWize[®] Residential Grid-Tie Systems



The Ideal Choice for Homeowners

Generate your own electric power using the clean power of the sun! A SunWize system for your home enables you to reduce your electric bill, increase the value of your home and protect our environment for the future.

SunWize Residential Grid-Tie Systems generate your own clean energy from the sun which reduces 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.

System operation:

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.



A SunWize Residential Grid-Tie System

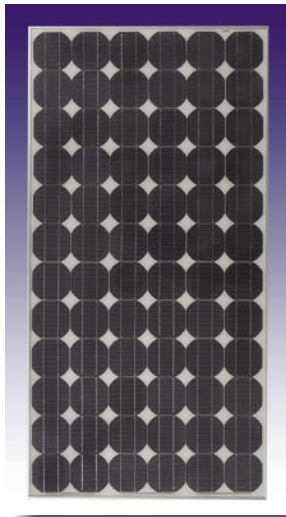
- **Generate your own electricity and reduce your electric bill**
- **Protect against future rate increases**
- **Produce electricity from free sun light and watch your meter spin backwards**
- **Reduce the burning of fossil fuels and contribute to a healthier environment**
- **Increase the value of 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**

Your system includes:

- **Solar Modules** with roof mounting system. Solar modules convert sunlight into DC power and are attractively mounted on the roof of your home.
- **SunWize Power Panel** – 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.

SunWize® Residential Grid-Tie Systems

SunWize Grid-Tie Systems include:



1. SunWize® I55-L/I65-L 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. SunWize modules are UL Listed and carry a 25-year, 80% power output warranty.

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

3. Xantrex GT 3.0 UL Listed Inverter features an LCD display, integrated data ports, NEMA 3R enclosure, lockable utility/PV disconnects, 5-year warranty.

4. Required Switches:
NEMA 3R–UL listed, AC disconnect switch

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.



Xantrex GT 3.0 Inverter

System Part Number	SunWize Module	# Series x Parallel	Inverter Max. kW	Output VAC	PV Array Total Watts	PV Array PTC Rating Watts
999GTS180	SW155-L	7 x 2	3.0	240	2170	1888.6
999GTS181	SW155-L	8 x 2	3.0	240	2480	2158.4
999GTS182	SW155-L	9 x 2	3.0	240	2970	2428.2
999GTS183	SW155-L	7 x 3	3.0	240	3255	2832.9
999GTS280	SW165-L	7 x 2	3.0	240	2310	2014.6
999GTS281	SW165-L	8 x 2	3.0	240	2640	2302.4
999GTS282	SW165-L	9 x 2	3.0	240	2970	2590.2
999GTS283	SW165-L	10 x 2	3.0	240	3300	2878.0
999GTS284	SW165-L	11 x 2	3.0	240	3630	3166.0

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