

SunWize® Grid-Tie Systems featuring the Sharp OnEnergy™ System

If installation time and aesthetics are a concern for you, then check out the SunWize Grid-Tie Systems featuring the Sharp OnEnergy solar system. These grid-tie systems offer the same quality engineering as our standard Grid-Tie Systems and feature the following UL listed components:

- **Sharp 176W and 198W module:** top quality, polycrystalline PV modules deliver high performance & include a 25-year limited warranty.
- **Sharp OnEnergy racking system:** an innovative, low-profile shared rail system requires up to 30% less rail than conventional systems and carries a 10-year limited warranty. Racks are sold separately, depending on PV array layout and roof type.
- **Grid-Tie inverter:** choice of Fronius, SMA or Xantrex high-efficiency, pure sine wave inverter with AC/DC disconnect switch, LCD display, communications package options, and a corrosion-resistant outdoor enclosure; 10-year limited warranty. Fronius inverters include a pre-assembled back panel with AC/DC disconnects with optional 5 year extended warranty. SMA inverters include a series fuse combiner for 4 PV strings.
- **Wiring:** includes Multi-Contact (MC) #10 AWG extension cords for PV string output connections; #8 AWG rail to rail grounding lug system, PV string pull box with accessory two-hole fittings. Wiring management system includes wire clips and cable ties. Home run wiring from the solar array to the main panel is not supplied.
- **Documentation:** engineered system includes all the necessary documentation to facilitate permitting, installation, inspection(s) as well as all product warranty information and owners manual.



The Sharp OnEnergy racking system offers a streamlined system with clean aesthetics

The Sharp OnEnergy racking system is compatible with all types of asphalt shingles on gable and hipped roofs for retrofit or new construction. SunWize has pre-configured many OnEnergy racking solutions for asphalt shingles with or without flashings and for flat concrete or curved tile Spanish roofs. Available in either portrait or landscape array layout (shorter or longer rows). Racking solutions for special configurations to avoid skylights and roof obstructions are also available. Contact SunWize sales for more information.

Sharp OnEnergy Solar System features:

- Trim covers provide improved aesthetics
- Talon clips integrate with mounting structure for a cleaner appearance, rail to rail hold down and grounding
- Adjustable sliders simplify mounting
- Structural steel components are galvanized with SuperDyma®
- Rails are precut in one to four-module lengths making installation easier and facilitating various array layouts



Fronius IG 2000/3000 inverter includes a SunWize back panel with AC/DC disconnects



SMA 3000US/4000US



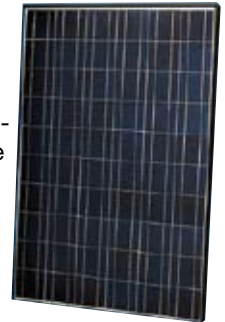
Xantrex GT Series inverter

SunWize Grid-Tie Systems include prepackaged hardware and wiring kits, and installation manual – saving you installation time and money.

The Sharp OnEnergy solar system features an innovative Talon clip. When fastened to the rails, these clips grip each module, with special lipped frames, and are secure in a hidden place. Talon clips also serve as module-to-module grounding (UL listed), eliminating the need for additional costly lugs and copper wire, saving even more time. Black anodized aluminum front and top beveled covers and side end caps provide a finished appearance while decreasing wind drag. The result is a streamlined system with clean, improved aesthetics.

SunWize Grid-Tie Systems featuring the Sharp OnEnergy System should be complemented with training by Sharp OnEnergy professionals. Contact SunWize for training information.

Note: Refer to SunWize price list for all models.



Sharp 198W module

SunWize Grid-Tie Systems (racking ordered separately)

Part #	PV Module	# Series x Parallel	Array Power STC (W)	Array Power CEC (W)	Inverter Model	Inverter Power (kW)	Output Vac
999GTS001-Z	ND-176U1Y	12 X 1	2112	1863.6	GT2.8	2.8	240/208
999GTS003-Z	ND-176U1Y	14 X 1	2464	2174.2	GT2.8	2.8	240/208
999GTS005-Z	ND-176U1Y	16 X 1	2816	2484.8	GT2.8	2.8	240/208
999GTS007-Z	ND-176U1Y	10 X 2	3520	3106.0	GT2.8	2.8	240/208
999GTS009-Z	ND-176U1Y	11 X 2	3872	3416.6	GT3.8	3.8	240/208
999GTS011-Z	ND-176U1Y	13 x 2	4576	4037.8	GT5.0	5	240/208
999GTS013-Z	ND-176U1Y	15 x 2	5280	4659.0	GT5.0	5	240/208
999GTS015-Z	ND-176U1Y	12 X 1	2112	1863.6	IG2000	2	240
999GTS021-Z	ND-176U1Y	9 X 2	3168	2795.4	IG3000	2.7	240
999GTS024-Z	ND-176U1Y	12 X 2	4224	3727.2	IG4000	4	240
999GTS027-Z	ND-176U1Y	14 X 2	4928	4348.4	IG4000	5	240
999GTS031-Z	ND-176U1Y	11 X 3	5808	5124.9	IG5100	5.1	240
999GTS033-Z	ND-176U1Y	12 X 1	2112	1863.6	SB3000US	3	240/208
999GTS035-Z	ND-176U1Y	14 X 1	2464	2174.2	SB3000US	3	240/208
999GTS037-Z	ND-176U1Y	16 X 1	2816	2484.8	SB4000US	4	240/208
999GTS039-Z	ND-176U1Y	13 x 2	4576	4037.8	SB4000US	4	240/208
999GTS041-Z	ND-176U1Y	15 X 2	5280	4659.0	SB5000US	5	240/208/277
999GTS043-Z	ND-176U1Y	17 X 2	5984	5280.2	SB6000US	6	240/208/277
999GTS044-Z	ND-176U1Y	13 X 3	6864	6056.7	SB6000US	6	240/208/277
999GTS046-Z	ND-176U1Y	15 x 3	7920	6988.5	SB7000US	7	240/208/277
999GTS154-Z	ND-198U1F	11 X 1	2178	1921.7	GT2.8	2.8	240/208
999GTS156-Z	ND-198U1F	13 X 1	2574	2271.1	GT2.8	2.8	240/208
999GTS158-Z	ND-198U1F	15 X 1	2970	2620.5	GT2.8	2.8	240/208
999GTS160-Z	ND-198U1F	10 x 2	3960	3494	GT3.8	3.8	240/208
999GTS161-Z	ND-198U1F	11 x 2	4356	3843.4	GT4.0	4	240/208
999GTS164-Z	ND-198U1F	14 X 2	5544	4891.6	GT5.0	5	240/208
999GTS166-Z	ND-198U1F	8 x 1	1584	1397.6	IG2000	2	240
999GTS169-Z	ND-198U1F	11 x 1	2178	1921.7	IG2000	2	240
999GTS172-Z	ND-198U1F	8 x 2	3168	2795.2	IG3000	2.7	240
999GTS177-Z	ND-198U1F	12 x 2	4752	4192.8	IG4000	4	240
999GTS178-Z	ND-198U1F	9 x 3	5346	4716.9	IG5100	5.1	240
999GTS179-Z	ND-198U1F	10 x 3	5940	5241.0	IG5100	5.1	240
999GTS181-Z	ND-198U1F	11 X 1	2178	1921.7	SB3000US	3	240/208
999GTS184-Z	ND-198U1F	15 X 1	2970	2620.5	SB4000US	4	240/208
999GTS185-Z	ND-198U1F	12 X 2	4752	4192.8	SB5000US	5	240/208/277
999GTS188-Z	ND-198U1F	15 X 2	5940	5241.0	SB6000US	6	240/208/277
999GTS189-Z	ND-198U1F	12 X 3	7128	6289.2	SB7000US	7	240/208/277
999GTS190-Z	ND-198U1F	13 X 3	7722	6813.3	SB7000US	7	240/208/277

NOTE: Systems are designed to operate optimally in regions where average ambient temperatures range from 5°F to 104°F.