

# SGT-160 Residential Solar Kit

The **SGT-160** comes with everything you need to start generating your own energy: the solar panel, mounting system, and grid tied power inverter. The system is completely plug and play, and specially designed for easy expansion. All you need is a 240 VAC power cable to be connected to the first **SGT-160**, and everything after that simply plugs in.



The future health of our planet and families depend on your ability to do the right thing and to make the right choices. The Sentinel **SGT-160** Residential Solar Kit will help your family reduce its carbon footprint on the planet, and also lower your monthly utility bill.

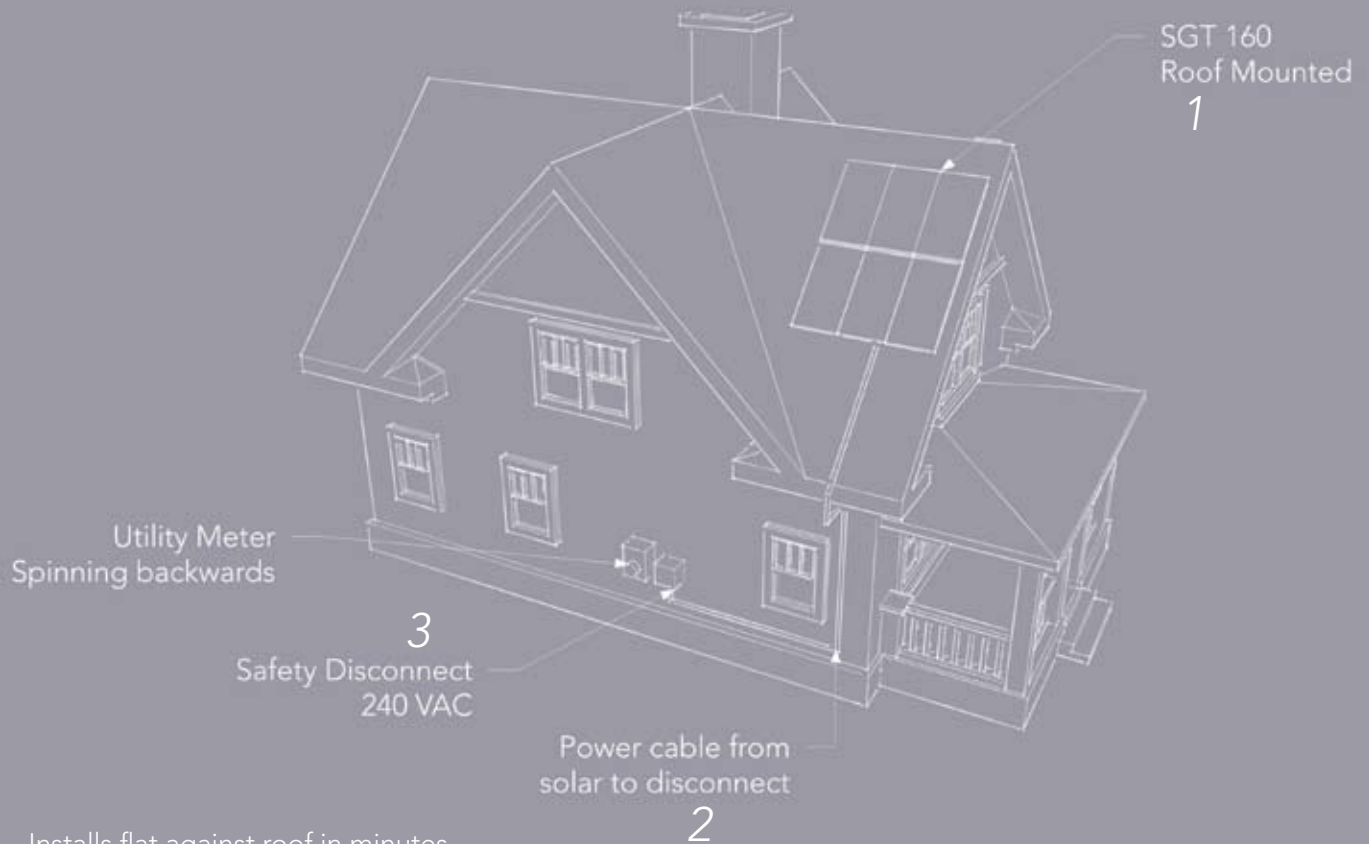
Grid tied solar systems are the easiest renewable energy system to install, own and maintain. They have no moving parts, no regular service requirements and make no noise.

Grid tied solar systems connect to the home using standard house wiring. They are designed to harness energy from the sun and

convert that energy into useable electricity. When enough power is being generated from your solar system, no electricity will flow in from the utility company. Anytime your system is generating more power than you are using, the excess will flow back into the grid, turning your meter backwards.

- Modular design
- Easy to setup and install
- Install one, the rest just plug in
- Up to 16 modules in one string
- Plug and Play
- 160W Grid Tied Output
- Wires to 2 pole 15 Amp breaker
- Made in Canada

It's as easy as 1 - 2 - 3



- 1 - Installs flat against roof in minutes
- 2 - Standard household 240 VAC power cable
- 3 - Safety disconnect required by local power company

### Kit Specifications

Length	64in / 162.6cm
Width	32in / 81.3cm
Depth	4.5in / 11.4cm
Weight	40lbs / 18.8kgs

### Inverter

Maximum Power Output	175 Watts
Maximum DC Voltage	54 VDC
AC Voltage	240 VAC
AC Frequency	60 Hz
Peak Inverter Efficiency	95%
Compliance	UL 1741/IEEE1547 FCC Part 15 Class B
Approval	cUL
Warranty	10 Years

### Solar Module

Maximum Power Output	160 Watts
Nominal Voltage	24 VDC
Approval	cUL
Warranty on Solar Module	25 Years

### Options

SGT-TILT	Tilting kit for SGT-160, allows for 15 to 45 degree tilt on flat roof.
EMU	Energy Management Unit, for inverter monitoring and data logging.

Sentinel Power Systems

Don't get left in the dark