Regina Geothermal SOLAR

ReadySolar

Solar in a Box®

By utilizing the latest available solar technologies and researching the most important considerations of homeowners, Ready Solar has developed a solar electric system that provides its customers with unmatched advantages over traditionally available installations.

SOLAR SYSTEM COMPARISON

	READY SOLAR	TRADITIONAL SOLAR
Aesthetics	Patented framing system finishes to less than 1” off roof, while still allowing 4” airflow for cooling. System blends into roof like a skylight. No exterior wall mounted equipment.	Racking system elevates solar panels 3” to 6” off roof. Racking, wires, and underside of solar panels often visible from ground level. Visible exterior wall mounted equipment.
Performance	Micro inverters allow each panel to perform independently, maximizing system production under partially shaded conditions and early or late in the day. 5% to 25% production gain.	Single, central inverter causes significant system production loss even if only one panel is partially shaded. If inverter goes down, the whole system goes down.
Quality	Complete system assembled and grounded to NEC code under factory controlled conditions, then simply mounted on roof. Reduced opportunity for errors in installation.	All system components assembled on roof, often in unfavorable conditions (steep or hot, bad footing). Maximum opportunity for errors and mistakes in assembly, wiring, and waterproofing.
Modular Design	Micro inverter design allows a smaller, less expensive starting system to be installed, with the ability to easily add small increments to the system’s size.	Central inverter design means that there is less flexibility in system size. Wiring must be in “strings” of typically 8 to 12 panels making it difficult and expensive to increase system size.
System Monitoring	Panel level, web-based, proactive (notification alert sent if something requires attention) system monitoring is included with every system.	If offered, system monitoring is typically an added cost and only reports what the whole system is doing. Individual panels are not monitored.
Warranty	25 year production warranty on solar panels. 15 year warranty on inverters with 100% uptime guarantee.	25 year production warranty on solar panels, 10 year warranty on inverter.
Total Life Cycle Cost	Low profile design reduces chance of debris collecting under panels. Pre-assembled product makes it easy to remove and reinstall if new roof is required. Longer warranty.	Increased maintenance cost to clear debris from under panels. Significant costs to disassemble and reassemble system for roof work.
Safety	Micro inverters convert low voltage DC to AC at each solar panel. No high voltage on roof and no DC disconnect required.	Central inverter design requires high voltage (600 volt) wire on roof and down side of house to inverter. Fire marshals require DC disconnects, but DC is still live even if disconnected.

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