

United Solar Wins Solar Shoot-out

Overview UNI-SOLAR (US) Triple Junction Silicon Modules

Break through technology at affordable prices! The heart of the US series modules is the Triple Junction silicon solar cell unique to United Solar. Each cell is composed of three semi-conductor junction stacked on top of each other. The bottom cell absorbs the red light, the middle cell absorbs the green light and the top cell absorbs the blue light. This spectrum splitting capability is the key to higher efficiency. UNI-SOLAR modules have demonstrated in repeated test situations that they deliver more amps per rated watt – Smartwatts – in most conditions than any commercially available solar module.

Conclusion of Tests Conducted by Sandia Labs

US 64 (64 Watts) puts more amp hours in the battery than Siemens SP75 (75 Watts) and Astropower AP7105 (75 Watts) solar electric modules.

On June 20th and 21st in Hopland, California an array of four randomly selected and then 130 day light soaked at Sandia labs, UNI-SOLAR US 64 – 64 watt modules considerably outperformed the competition, single crystal silicon solar modules. Representatives from Siemens, Astropower and United Solar were present in northern California for this summer solstice shoot-out. The details of the shoot-out's methodology and results are available from Sandia Labs www.sandia.gov which is the lab that preformed the test. The test proved that UNI-SOLAR triple junction silicon technology could be far superior to single crystal for real world solar applications. The US 64 put 8-13% more absolute energy into the batteries over a two day period and generated 26+% more normalized energy than either of the competitors.

What does this mean for you the consumer? Only the biggest solar break through in the last twenty years – more usable amperage generated per purchased watt! When you purchase solar power, you buy wattage. Price per watt drives the industry. It now becomes clear that watts generated by Uni-Solar Triple Junction silicon modules are better than those generated by other modules. Under real world conditions (the same conditions that you the customer solar system operates every day). Triple Junction silicon gives you a much better value (more Amps) for dollar spent on solar electric wattage.



UNI-SOLAR
Flexible Panels

UNI-SOLAR
Framed Panels

