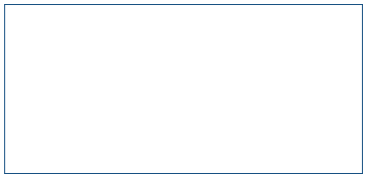
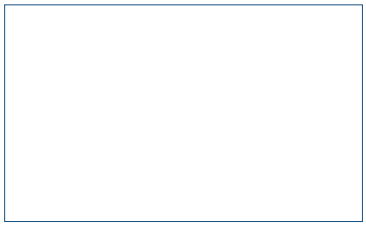
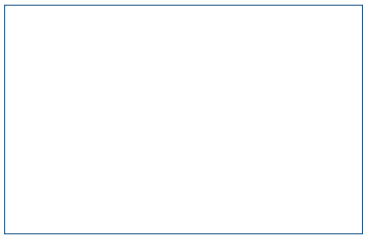
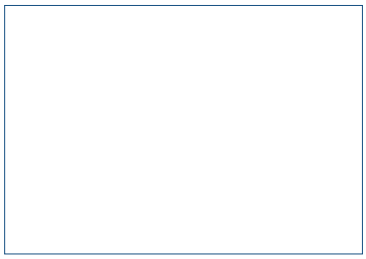
Blitzstrom GmbH - Wadenbrunner Straße 10 - D-97509 Kolitzheim
+49 9385 / 9804 - 20 - www.blitzstrom.de

- 
- 
- 
- 
- 

1500Volt system voltage - Nanosolar High power thin-film modules

Nanosolar is the industry's best-funded private manufacturer of solar electricity cells and modules. The company is known for its breakthrough capability of simply being able to print a solar cell based on CIGS, the intrinsically most stable and efficient thin-film semiconductor. The result are cells that can be produced with unprecedented throughput and cost efficiency.

The Nanosolar Utility Panel was designed in close collaboration with Beck Energy and includes a number of features that set the standard for module technology for utility-scale deployments:

- Rated at 160-220W, the Nanosolar Utility Panel is a high-power panel with approximately three times the power per panel relative to conventional thin-film panels.

- By using high-strength glass in the back and the front, it is intrinsically much more mechanical stable than conventional solar panels. Paired with the panel s superior ruggedness comes a 70% larger spanning distance between mounting rails which saves Balance-of-System costs, relative to conventional thin-film panels.
- As a high-current module certified for an industry-first 1500VDC system voltage, it affords a panel array length of 64m or more than five times longer than conventional panels, simplifying and accelerating system cabling.

Designed in California, the Nanosolar Utility Panel is Made in Germany in a fully-automated robotic factory near Berlin.

Engineered for >25-year reliability, the Nanosolar Utility Panel has met stringent suites of reliability tests. These include all applicable international standards as well as internal material, component, and panel tests substantially exceeding these. The Nanosolar Utility Panel is compliant with IEC 61646 and IEC 61730 and comes with a 20-year manufacturer warranty.

Further information at **www.nanosolar.com**