




System Technology	Operation Parameters	Challenges	Maximum Reliability
<ul style="list-style-type: none"><li>• 93 SMA Sunny Tripower 60</li><li>• 3 SMA Inverter Manager</li><li>• 52,000 First Solar Thin Film modules</li></ul>	<ul style="list-style-type: none"><li>• Nominal Power of 5 MWp</li><li>• Annual Energy Yield ≈ 14,000 MWp</li><li>• Self-consumption Rate ≈ 35%</li><li>• Annual CO<sub>2</sub> Savings ≈ 9,839 ton/yr.</li><li>• Gasoline Savings ≈ 300,000 litres/yr.</li></ul>	<ul style="list-style-type: none"><li>• Hot Temperatures</li><li>• Cloudy Times</li><li>• Low Light Conditions</li></ul>	<ul style="list-style-type: none"><li>• Reduced operation and maintenance costs thanks to less components</li><li>• Long service life due to demand - specific bypass operation</li><li>• Comprehensive SMA service for the entire system.</li></ul>



Maximum energy yield by up to 25%

TRACKER MOUNTING SYSTEMS



Utility-scale PV Power Plant – Namibia, 2016

Otjozondjupa Solar Park, developed by HopSol Africa, was built within only 3 months and is the largest grid-connected solar PV plant in Namibia to date. The 5 MW PV power plant accounts for approx. 1% of the country's total electricity capacity and produces enough power to supply 3,700 households in Namibia. The project displaces 19,000 MT of water per year since solar power requires no water for power generation and consumes less water than most other conventional and renewable generation technologies in the production process.

Project Benefits

- Provides safe and clean energy for 3,700 Namibian homes
- Increases Namibia's independency from energy imports and diversifies the country's energy mix
- Uses First Solar's advanced thin film solar modules, the most eco-efficient PV technology, with the lowest environmental impact of any PV technology
- Built with First Solar Tracker mounting systems to maximize energy yield by up to 25%