



REIMAGINE SOLAR ENERGY

BASELOAD 24/7 CLEAN POWER

247Solar, Inc. breaks down barriers of complexity and cost with a turnkey solution for producing electricity around the clock at costs competitive with PV today and with coal tomorrow at scale. Called the **247Solar Plant™**, it eliminates most disadvantages of conventional CSP, PV, wind, and traditional power technologies. Its hot-air-driven Brayton Cycle system operates at atmospheric pressure and requires no steam, molten salts, or heat transfer oils.

SCALABLE MODULAR DESIGN

Unlike large, custom-engineered, first-generation CSP projects, 247Solar Plants are standardized modules of 400 kW capacity, scalable from a single Plant off-grid to utility-scale farms of virtually unlimited capacity. 247Solar Plants use factory-made components, most of which can be manufactured locally, with few moving parts, for low maintenance and rapid, low-cost deployment.

LOW COST

The 247Solar Thermal Storage System™ stores the sun's energy as heat instead of electricity, eliminating the need for costly batteries, to ensure 24 availability. To guarantee electricity on demand, the Plants' turbines can also burn a variety of fuels, enabling power to be supplied around the clock in any weather for a fraction of the price of other renewables.

UNMATCHED BENEFITS

247Solar Plants offer outstanding grid reliability and resilience with no requirement for emergency backup. They provide battery-like response to grid voltage and demand fluctuations, mitigating intermittency from other renewables. Short project cycles, lower O&M and competitive margins mean attractive returns for investors.

COMMERCIAL DEMONSTRATOR

A 400kW full scale commercial demonstrator is under construction in Morocco. Potential customers will be able to visit the plant and verify the benefits of 247Solar technology. The new facility is expected to be online in the fourth quarter of 2019.

LOWEST COST 24/7 SOLAR ELECTRICITY

- World's most versatile, reliable power generator
- World's highest temperature solar air heater, 970°C
- World's lowest cost thermal storage, < 5% cost of batteries
- World's lowest-cost heliostats, deployable on uneven ground.

ORIGINATED AT



BREAKTHROUGH CLEAN POWER FOR MINING APPLICATIONS

GUARANTEED SECURE AND CLEAN POWER

247Solar Plants™ are ideally suited to mining applications in remote areas and where electricity supply is unreliable. They provide highly reliable, uninterrupted power for mining, processing, and ancillary operations at very low operating costs, while eliminating the disadvantages of conventional power technologies.

HIGH RELIABILITY

Close proximity of 247Solar Plants to the mine means minimal voltage drops during peak load requirements. Proximity to the mine also means that additional equipment such as shovels, drills, and pumps can benefit from a sustainable power supply, further reducing costs and emissions.

RAPID CONSTRUCTION, PHASED IMPLEMENTATION

247Solar Plants use mostly factory-built components, making installation and commissioning timeframes short. Due to their modular design, the first 400kW plant typically can begin supplying power in 6-8 months from the time of confirmed order, with completion of 10MW in 12-15 months. Power for mine development, construction, pre-production, and production phases can be supplied incrementally, allowing for staged financing.

ENVIRONMENTAL AND SOCIAL BENEFITS

247Solar Plants use no water and require minimal maintenance. 247Solar technology enables mining operations to significantly reduce their carbon footprint and contribute to the company's Corporate Social Responsibility initiatives. Local communities and other social facilities may also benefit both immediately and after the mine has ceased operation, as the Plants can continue to supply local communities or be wholly or partially relocated to other sites.



**ROST International
Trading Limited**

*Exclusive business development partners
for 247Solar in the Mining Industry*



COMPELLING ECONOMICS

247Solar Plants can be adapted to the unique requirements of mining projects throughout the world, particularly in areas of high Direct Natural Irradiation (DNI). Results of economic analyses of mining projects indicate a favourable and positive impact by using 247Solar Plants. Our specialists are ready to assess the benefit of 247Solar technology on your project.