

# Proyecto solar fotovoltaico de 100 MW + Sistema de almacenamiento de energía en baterías



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## Proyecto solar fotovoltaico de 100 MW + Sistema de almacenamiento de energía en baterías (BESS)

Este perfil describe una prometedora oportunidad de inversión en un importante proyecto de energías renovables en Bulgaria, centrado en una planta solar fotovoltaica (FV) a escala comercial con capacidad de cogeneración mediante un sistema de almacenamiento de energía en baterías (BESS).

El proyecto, designado "**Proyecto 1**" es un desarrollo energético a gran escala centrado en un **instalación BESS (Sistema de Almacenamiento de Energía en Batería) de 100 MW/400 MWh**. Incluye un componente solar fotovoltaico con una capacidad básica de **100 MWp** que es altamente escalable gracias a la capacidad reservada de la red, ofreciendo una expansión potencial de hasta **160 MWp**. El proyecto está situado en una gran extensión de terreno bajo un contrato de arrendamiento a largo plazo e incluye una completa documentación técnica y de desarrollo.

Detalles técnicos y de capacidad

Suelo e infraestructuras

- **Superficie total del terreno:** \$ 956,000~m<sup>2</sup>.
- **Propiedad/Arrendamiento:** El terreno es propiedad de la Sociedad instrumental (SPV) y está garantizado mediante un **contrato municipal de arrendamiento de 35 años**.
- **Topografía:** Terreno llano con una pendiente del 1-8% hacia el sur, lo que garantiza que no haya obstrucciones de visibilidad.
- **Diseño:** Estudios técnicos y diseños para un **sistema de seguimiento de un eje** están disponibles.
- **Cogeneración:** El emplazamiento ofrece una **Opción BESS** para optimizar la tarificación en horas punta y dispone de **infraestructura de gas cercana** para posibles soluciones híbridas.

Conexión a la red

El proyecto ofrece opciones flexibles y seguras de conexión a la red, con el derecho de paso incluido en el precio.

- **Subestación in situ:** A **subestación de transformación de 110 kV** que será propiedad de la SPV.
- **Opciones de conexión:****Opción 1:** 6,1~km\$ de cable subterráneo hasta la subestación EVN existente.
- **Opción 2:** 1~km\$ de línea aérea a \$110~kV\$ de potencia

Producción de energía (estimación anual)

**Sistema fijo:** 137~GWh/año (basado en 1.745~kWh/m<sup>2</sup> de irradiación).

**Sistema de seguimiento monoaxial:** 177~GWh/año (basado en 2.235~kWh/m<sup>2</sup> de irradiación).

TARGET PRICE

\$ 4,500,000

BUSINESS TYPE

Energías renovables

COUNTRY

Bulgaria

BUSINESS ID

L#20251032

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