

50MW PV PLANT IN SPAIN



7.2 MVA SKID TURNKEY SOLUTION



SG3125HV-20



UP TO 40°C



LOWER LCOE

THIS PROJECT IS PART OF A 400MW FRAMEWORK AGREEMENT DEVELOPED IN SPAIN AND CHILE

The photovoltaic plant is located in Bargas, Spain. The hilly landscape of Bargas is subjected to hot summers, with temperatures **rising up to 40°C**. The Developer and EPC of the project called for a solution that would provide a **high DC/AC ratio**, an optimised system for transport and installation, as well as an **easy O&M**, to **lower the LCOE**.

Sungrow's **7.2 MW turnkey solution with 1,500 Vdc** technology provided the perfect solution for this intricate project. The 7.2 MW turnkey solution consisted of two SG3125HV-20 central inverters, a medium voltage transformer, medium voltage cells and other supporting components.

Location

Bargas, Spain

System

375Wp PV modules on single axis trackers
12x SG3125HV-20
6x 7,2MVA skid solution

EPC and O&M

Solarpack

Owner

Aventron

Capacity

50MWdc, 40MWac

BENEFITS

The customized 7.2 MV turnkey solution with 1,500 Vdc includes an **advanced forced air-cooling technology**, a high level of protection and optimized communication system in order to comply with future local grid code (NTS 631). This enables the inverter system **to operate efficiently to meet the requirements of the project** as well as a **reduction in LCOE**.

The high level of integration between Sungrow inverters and the medium voltage skid solution also allowed a **quick and easy commissioning**, completing the task within five days.



Sungrow experts providing a customer training on site



*"It is very rewarding for us to work for one of the leading photovoltaic developers and independent energy producers in Spain through a **long-term strategic alliance**.*

*This contract confirms that the market trusts Sungrow and shows that we can **face complex challenges in close collaboration with our partners.**"*

Javier Izcue Elizalde
Director Sungrow Spain, Portugal & Italy

ABOUT SUNGROW SPAIN

Sungrow Ibérica is a subsidiary of Sungrow Power Supply Co. Ltd, the global leading inverter solution supplier. The Spanish team includes Product, Sales and Service Managers, with a Training Centre and an office in Pamplona - in operation since 2017, covering the Ibérica region. Sungrow specializes in PV inverter solutions and energy storage systems for utility scale, commercial and residential applications, as well as floating PV plant solutions.

ABOUT SOLARPACK

Founded in 2005, Solarpack specializes in the development, financing, construction, operation and management of large-scale photovoltaic solar plants. It has a presence in fast growing markets such as Europe, North America, Latin America, Asia and Africa. It is one of the first developers of pure PV solar energy and Independent Producers of Energy (IPP) in Spain. Solarpack went public in Spain in December 2018.