

50 MW PV PLANT



LOWERING
CO₂ EMISSIONS

Credits: Total Eran



SG3125HV-30



**+32,000 TONS
CO₂ SAVED**



**ENERGY
TRANSITION**

ABO WIND HAS CHOSEN SUNGROW FOR ITS LARGEST FREE FIELD SOLAR PROJECT ON A TURNKEY BASIS

The 50 MW_{AC} PV park has been built on an adequate private land in which grid was already available for the connection and delivery of the energy produced on-site.

This PV plant contributes to the reduction of electricity prices and the country's goals for the energy transition in Greece.

This hilly area with slopes but also natural flat valley floors is perfectly suitable for the installation of bifacial PV modules. The installed Sungrow turnkey solutions include inverters and medium voltage stations. The highly integrated technical equipment was delivered pre-assembled to the terrain to save installation costs. Grid connection happened soon after.

Location

Margariti, Thesprotia,
Epirus, Greece

Systems

Ground mounted
10x SG3125HV-30
6x 7.2MVA MVS
4x 3.6MVA MVS

Expected production

76 GWh/year

EPC

Abo Wind AG

BENEFITS

There are 93,000 bifacial 540 Wp PV modules installed, to maximize the yield, also from light reflected by the surrounding environment.

Two Sungrow SG3125HV-30 central inverters operate on each 7.2 MVA medium-voltage skid solution, and one SG3125HV-30 is in the 3.6 MVA smaller skid solution. Both skid solutions have been prepared by a Sungrow partner on a steel platform that is situated on a concrete foundation on the PV farm.



** This picture shows the installation still being in process*

Two Sungrow SG3125HV-30 inverters are installed in a skid solution with transformer and switchgear.

“Plug and Play” Sungrow turnkey solutions are ready to be connected and operate on-site



** This picture shows the installation still being in process*

ABOUT SUNGROW

Sungrow is the world's most bankable inverter brand with over 340 GW installed worldwide as of December 2022. Founded in 1997 by University Professor Cao Renxian, Sungrow is a leader in the research and development of solar inverters with the largest dedicated R&D team in the industry and a broad product portfolio offering PV inverter solutions and energy storage systems for utility-scale, commercial & industrial, and residential applications, as well as internationally recognized floating PV plant solutions, NEV driving solutions, EV charging solutions and renewable hydrogen production systems. With a strong 26-year track record in the PV space, Sungrow products power over 150 countries worldwide.

ABOUT ABO WIND AG

ABO Wind develops and builds wind and solar farms as well as battery and hydrogen projects worldwide. For more than 25 years, ABO Wind's in-house specialist departments have been providing all steps of project development and implementation: from site assessment, planning, engineering, permitting and financing to construction, grid connection, operational management and maintenance.