

# 3.2 MW REVAMPING

## SMALL INVERTERS FOR A BIG PROJECT



### SG33CX



### SUNNY AREA



### DRY WEATHER

#### **MULTI-STAGE REVAMPING WITH SUNGROW INVERTERS FOR A TOTAL PV PLANT POWER OF 6 MW**

This site housed PV installation built in 2008, using 40 kW old topology central inverters, capped to 32 kW. Recently the PV production was decreasing, suffering the system components aging and the unavailability of spare parts for the inverters, combined with the lack of support from the inverter manufacturer.

The old central inverters were replaced one-to-one with Sungrow's SG33CX string inverters. After the revamping operation, the PV site restored its energy output and increasing the plant's day to day operation efficiency, making the site function as good as new.

Until now, the owner revamped with Sungrow inverters two sections of the PV plant; the completion will be done in 2022 with the revamping of the last section.

**Location**  
Mazarrón, Spain

**System**  
Ground mounted PV plant, revamping  
105x SG33CX

**Owner**  
Mazarrón FV SL

**Capacity**  
6 MW  
revamped: 3.2 MW

# BENEFITS

As this site is located in Southern Spain, it is prone to extreme hot and dry days. Thanks to SG33CX's built-in active cooling system, the string inverters can work efficiently in harsh temperatures.

225 kWp PV modules are South-oriented, laying on a ground mounted structure and remained the same installed in 2008.

Replacing the inverters one-to-one made operations faster and saved money by keeping cable configuration as it originally was.

The EPC already has a longstanding business relationship with Sungrow, hence the overall commissioning and delivery was smooth and quick. The whole project was completed in just under 2 months.

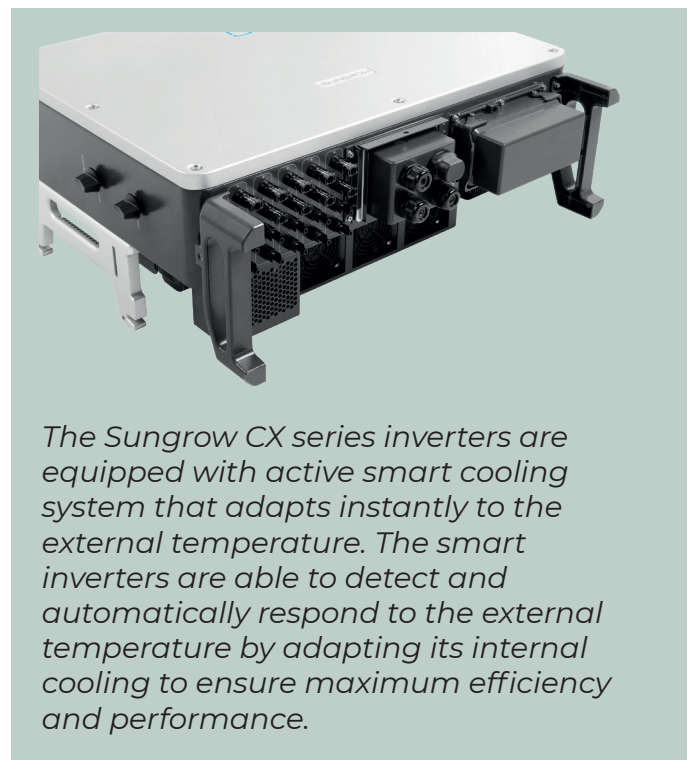
After revamping operation, the PV plant generates more energy thanks to the higher inverter efficiency and the booster function.



SG33CX are IP65 and can be placed outdoor.



The SG33CX are versatile inverters, requiring minimal set up preparation. In this situation, they were placed in the cabin that housed the central inverters.



*The Sungrow CX series inverters are equipped with active smart cooling system that adapts instantly to the external temperature. The smart inverters are able to detect and automatically respond to the external temperature by adapting its internal cooling to ensure maximum efficiency and performance.*

## ABOUT SUNGROW IBÉRICA

Sungrow Ibérica is a subsidiary of Sungrow Power Supply Co. Ltd, the world's leading provider of inverters and solutions. The Spanish team includes those responsible for products, sales and services, with its own training center and an office in Pamplona - in operation since 2017, covering the Iberica region. Sungrow specializes in photovoltaic inverter solutions and large-scale energy storage systems, in commercial and residential applications, as well as floating PV plant solutions.