

# 10 MWe “sMS” PROJECT

## SELF-CONSUMPTION INVESTMENT ON LAND



**SG3125HV-30**



**GROUND MOUNTED**



**PERFORMANCE**

### THE PROJECT IS IMPLEMENTED IN ORDER TO MEET THE SELF-CONSUMPTION ELECTRICITY NEED.

In Turkey (09.05.2021) The “5.1h” clause in “REGULATION ON AMENDING THE UNLICENSED ELECTRICITY GENERATION REGULATION IN THE ELECTRICITY MARKET “ let new investments become possible on lands. This clause lets investmens based on renewable energy resources provided that the contract power in the connection agreement is limited and located in the same distribution region.

Samsun Machine, the main faciliate based at Turkey’s most high temperature facing southern side in Adana, Sariçam Misis province used it’s land according to new “5.1h” clause of regulation.

**Location**  
Adana, Turkey

**System**  
Ground mounted Solution  
3 x SG3125HV-30

**Annual Production**  
2,554 MWh/year

# BENEFITS

## High Efficiency

An other important topic; “**efficiency**” makes significant differences between cases across globe. Especially in hot summer days, production values decreases dramatically according to excessive heat. Sungrow products has the ability of loading inverters up to %99 efficiency at hard environment conditions. SG3125HV-30 is one of the models reaching it's maximum performance.

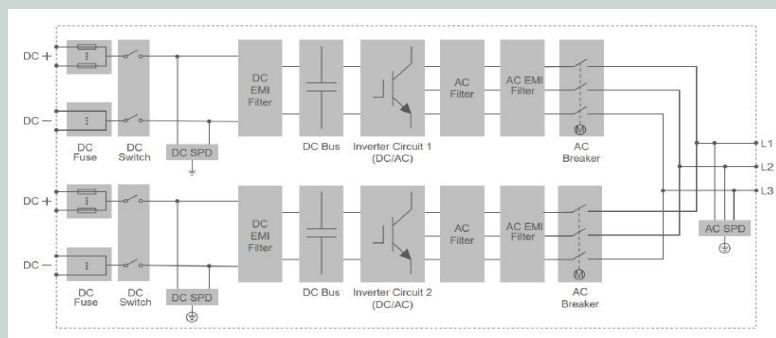
## High AC Output Power

SG3125HV-30 inverters are capable of delivering high output power even at high ambient temperatures. Active cooling system and remastered component desgin lets SG3125HV-30 to operate with 3437kVA output power at 45°C. It can support at least 3125kVA output power even at 50°C.



SG3125HV-30 has Max. PV input current up to 3997 Amperes.  
**Max. Efficiency: %99 / European Efficiency: %98.7**

### CIRCUIT DIAGRAM



### Overvoltage Protection DC Type I + II / AC Type II

Besides maximizing the production of a photovoltaic system, safety is also very important. DC Type I + II / AC Type II surge protection feature makes safe operation continuous.



**SG3125HV-30**

- Integrated zone monitoring function for online analysis and trouble shooting.
- Modular design, easy maintenance
- Convenient external touch screen.

## ABOUT SUNGROW TURKEY

Sungrow has been present in Turkey since 2016 and continues operations for both centralized and string systems, spread throughout the country in applications ranging from small residential rooftop systems to large ground mounted “utility-scale” systems.

In 2018, Sungrow Turkey continued to provide products and services with its legal entity and became a strong regional office. Sungrow Turkey is able to satisfy all installation needs both on new systems and for revamping actions, guaranteeing in all cases a fast and professional pre and post sales assistance service, also offering solutions for the BESS utility market