

Ingeteam's new power station for solar plants equipped with string inverters

Ingeteam's new product, the INGECON SUN String Station, which can achieve a medium voltage power output of up to 6.4 MW, is supplied as a turnkey solution with all its devices mounted on the same Skid or metal platform.

The first units have already been installed in various solar plants in Spain.

Pamplona, May 5th, 2021.

The new power station designed and manufactured by Ingeteam is directed at solar plants equipped with string inverters instead of central inverters. Specifically, this solution has been designed to be installed in combination with the INGECON SUN 160TL solar inverters made by Ingeteam with 1500 Vdc technology.

The design of the *string station* seeks to facilitate as much as possible the installation work and field connection. This is why it is supplied as a turnkey solution, with all the devices pre-connected at the factory. Moreover, it can be transported by land or sea, as it can be mounted directly on a truck trailer or inside a 40-foot container, so that it can be delivered anywhere.

A further advantage of this solution is its flexibility, given that it can hold from one to four AC combiner boxes, responsible for receiving all the AC cabling coming from the solar inverters. Therefore, the power output range of the *string station* can vary from 1.6 MW up to 6.4 MW, allowing Ingeteam to cater for all types of project sizes and layouts.

In addition to the AC combiner boxes, the *string station* is also equipped with the LV/MV power transformer, transformer oil tank, medium voltage switchgear, auxiliary services panel and auxiliary services transformer, for maximum optimization of the available space. All these components are certified to IEC standards.

The first *string station* units were manufactured in Spain and are now installed in various

Spanish solar projects.

This new product strengthens Ingeteam's scope of supply for the solar sector, to which the Group supplies many other products and services.

About the Ingeteam group

Ingeteam is an international technology group specializing in energy conversion. Its technological development in power and control electronics (inverters, frequency converters, controllers and protections), rotary electric machines (Indar motors, generators and submersible motor & pump sets), systems (integration of electromechanical engineering and automation), and operation & maintenance services, allow Ingeteam to offer solutions for sectors such as wind, solar PV, hydro and fossil fuel power generation, metal processing, marine, rail traction and the electricity grid, including the substations and covering transmission and distribution, always striving to optimise power generation and consumption.

The Ingeteam Group operates throughout the world, with permanent facilities in 24 countries, employing more than 4,000 persons. R&D&i is the backbone of its business activity, in which more than 5% of the company's turnover is invested annually.

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