

## Huawei St George Smart Photovoltaic Panel

What is Huawei's smart photovoltaic power plant management system?

\*All the data are obtained by testing in Huawei's photovoltaic laboratory, and the actual situation may vary due to various reasons. The smart photovoltaic power plant management system developed by Huawei comes with refined management, efficient operation and maintenance, an open ecosystem, and self-developed safety features.

### What is a smart photovoltaic power plant management system?

The smart photovoltaic power plant management system developed by Huaweicomes with refined management, efficient operation and maintenance, an open ecosystem, and self-developed safety features. It empowers smart photovoltaic power plants with higher safety and reliability.

## What is Huanghe hydropower & Huawei doing?

Through joint innovation, Huanghe Hydropower and Huawei developed the industry-leading smart I-V diagnosis technology for global PV O&M, which has been widely adopted worldwide. Together, Huanghe Hydropower and Huawei are leading the introduction of intelligent technologies to PV systems.

## Where is Qinghai PV plant located?

The grid-connected 2.2 GW PV plant is located in Qinghai Provinceat an average altitude of over 3000 m. Built in five phases, it consists of 672 PV arrays with over 7 million PV modules. Three 330 kV booster stations were constructed and string inverters were installed. Sign up for daily news updates from CleanTechnica on email.

#### What is Huawei Smart Module Controller?

The Huawei Smart Module Controller brings you a reassuringly ultimate safeguard. In any emergency, the inverter will be switched off instantly, or for any power outage, the rapid shutdown (RSD) of the module voltage will be activated to clear potential risks on a high-voltage rooftop for personnel and firefighting safety. High Maintenance?

#### How many GW inverters did Huawei provide?

Huawei -- the supplier with the largest project share -- provided 1.6 GW inverters for this project. As the world's first ultra-high voltage power line that delivers 100% renewable energy over long distances, the project requires inverters with high voltage ride-through (HVRT) capability to ensure the safety and stability of the power grid.

Besides cutting-edge inverters, this project also draws on the benefits of several intelligent technologies, such as MBUS power carriers, Smart I-V Curve Diagnosis 4.0, smart electro-luminescence (EL) detection, ...



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