

## Kongres Container

# Huawei Australia solar Energy Storage Power Generation Project



## Overview

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Encompassing Smart PV Generator FusionSolar 8.0, Green Residential Power 2.0, Green C&I Power 1.0, and Off-grid (fuel removal) Power Supply Solutions + Energy Cloud, Huawei is aiming to accelerate the shift to zero-carbon generation and make PV the main energy source with this “4+1” scenario. What is Huawei energy storage system?

Huawei Energy Storage Systems integrate power electronics, digital, thermal, electrochemical, and AI technologies to implement refined monitoring and management at the cell, battery pack, battery rack, ESS, and power grid levels. This ensures energy storage system safety, efficiency, and grid-forming capability.

What is Huawei digital power?

By widely applying the Smart Renewable Energy Generator and digital technologies, Huawei Digital Power aims to build high-quality, all-digital, and autonomous utility-scale power plants. In terms of operation and maintenance (O&M), Huawei provides full-link diagnosis capabilities to improve the safety and performance ratio (PR) of power plants.

Why did Huawei help Yalong hydro build the 1 GW Kela PV project?

In Ganzi, Sichuan, Huawei Digital Power helped Yalong Hydro build the 1 GW Kela PV Project, which is the world's largest and highest-altitude hydro-solar hybrid power plant. The project leverages digital and intelligent technologies to improve quality and efficiency, setting a benchmark for intelligent power plants.

What is Huawei fusionsolar?

Huawei FusionSolar provides new generation string inverters with smart management technology to create a fully digitalised Smart PV Solution.

How does Huawei's utility-scale smart PV & ESS work?

Huawei's Utility-Scale Smart PV & ESS Solutions can operate independently of traditional grids. Where traditional grids use synchronous generators, Huawei uses a grid-connected ESS with power electronics in the form of the smart PCS to manage the discharge and charge of power.

Why should you choose Huawei for power plants?

In terms of operation and maintenance (O&M), Huawei provides full-link diagnosis capabilities to improve the safety and performance ratio (PR) of power plants. Furthermore, Huawei provides intelligent AC and DC safety protection for PV, ensuring personal and asset safety across various scenarios.

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