

## SolarTech Power Solutions

# Wind solar thermal and storage integrated project



Efficient  
Higher Revenue

- Max. Efficiency 97.5%
- Max. PV Input Voltage 600V
- 150% Peak Output Power
- 2 MPP Trackers, 150% DC Input Oversizing
- Max. PV Input Current 16A, Compatible with High Power Modules



Intelligent  
Simple O&M

- IP66 Protection Degree: support outdoor installation
- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- DC & AC Type II SPD: prevent lightning damage
- Battery Reverse Connection Protection



Flexible  
Abundant Configuration

- Plug & Play, EPS Switching Under 10ms
- Compatible with Lead-acid and Lithium Batteries
- Max. 6 units Inverters Parallel
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

## Overview

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Developed by the State Grid Corporation of China (SGCC), the project stretches 915 kilometers from Qingyang in the wind-swept province of Gansu to Tai'an, east China's Shandong province.

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Photo shows the Shandong section of the Longdong-Shandong  $\pm 800$  kilovolt direct current (DC) transmission project. (Photo by Xu Ke/People's Daily Online) China's first "wind-solar-thermal-storage integration" ultra-high voltage (UHV) project, the Longdong-Shandong  $\pm 800$  kilovolt direct current (DC).

The Pumped Storage Hydropower Wind and Solar Integration and System Reliability Initiative is designed to provide financial assistance to eligible entities to carry out project design, transmission studies, power market assessments, and permitting for a pumped storage hydropower project to.

China has made strides in renewable energy with several large-scale projects coming online. The largest integrated wind, solar, thermal, energy storage, and hydrogen project has commenced in Ulanqab, Inner Mongolia, utilizing a 1.2GWh energy storage system supplied by BYD. This project features a

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### Contact Us

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