



Case Study

York Solar Farm



PROJECT OVERVIEW

- Project Name: York Solar Farm
- Location: York, UK
- System Size: 34.7MW
- Type of Solar Panel: STP380s-72/Pfh
- Panel Quantity: 91,392 pieces
- Owner: Gridserve emea depc Ltd
- Installer: Gridserve emea depc Ltd

BENEFITS

- Suntech's bifacial solar modules provide up to 34.7 MW of peak capacity for York Solar Farm, equivalent to the energy consumption by 15000 households.
- 40 GW of zero carbon energy can power 20,000 electric vehicles every year

"It will be the most advanced project in the UK, and moreover it will also open a new era of unsubsidized and sustainable energy."

Toddington Harper, the CEO of GRIDSERVE

The project opened a new era of the PV Industry in Britain

Suntech supplied GRIDSERVE for a total of 34.7MW to build a solar power station using bifacial modules in Warrington UK, the project adopted bifacial modules, P-type, monocrystalline PERC, manufactured by Suntech, which is the largest bifacial modules power station in Europe.

The UK's largest and most technically advanced solar + battery storage project

More than 90,000 bifacial PV modules supplied by Suntech make up the energy generation element of the site. The bifacial modules of Suntech adopt bifacial PERC cells technology combined with various leading technologies such as double-glass, which can increase the power generation of modules by up to 20%-25%. 30 years of linear power guarantee means more power generation gains and meanwhile it is the absolute confidence that Suntech has in the quality of its products. Through Suntech's bifacial double-glass products, more power generation could be achieved with lower carbon emissions so as to maximize customer benefits. It also coincides with Suntech's vision by increasing new technology research and development and the improvement of production process, providing customers wholeheartedly with high quality and high reliability photovoltaic products depending

York Solar Farm



on outstanding technical advantage and manufacturing level, promoting actively the target of 'grid parity' realized as soon as possible and sparing no effort to light up every corner of the world with the most clean and abundant solar energy resources.



UK renewables developer GRIDSERVE has completed a "game changing" hybrid solar-plus-storage farm in York, unveiling a 34.7MW solar farm that boasts bifacial panels and single-axis trackers, a first for the UK solar market and what is thought to be the most northerly combination of the two cutting edge technologies in the world, bifacial panels and trackers and the site 'stacks' a number of revenue streams in order to be financially feasible without subsidy support.

The project was first unveiled in February this year and is this the first of two to be developed by GRIDSERVE to be delivered to Warrington Council upon completion. The second, located in Hull, is scheduled to transfer early next year. And it's those revenue streams, driven by the combination of bifacial panels, trackers and battery storage, which have allowed for the project to come forward without the need of subsidies.