

Major Global Manufacturer Chooses SolarEdge for their 2.1MW Rooftops in Thailand after Installing Traditional String Inverters

The company, a leader in high-reliability design, manufacturing and supply chain solutions, decided to reduce electricity costs in their Thailand factory by installing a rooftop solar system. After installing 1MW rooftop with traditional string inverters, they decided to switch to SolarEdge's optimized solution, for their second, third, and fourth rooftop.

The factory has multiple roofs, so the company decided to install the PV system in stages. The first 1MW installation consisted of a traditional inverter system.

As the second PV installation would consist of more than 5,000 modules, the company realized the value of having a full monitoring solution which would enable them to pinpoint the exact location of every module in order to solve potential problems quickly and effectively. In addition, it was important to be able to generate detailed reports of energy production for the company management. Solomon Technology recommended SolarEdge for the second installation. Following installation of the SolarEdge system, the company compared the energy output and monitoring functionality between the two installations, and was impressed by SolarEdge's module-level optimization and monitoring which has resulted in increased energy production, and easier O&M management. As a direct result, the company has chosen SolarEdge for the third and the fourth roof installations, bringing the total SolarEdge installation to 2.19 MW.

The PV system was installed by the company's own engineers, and by using SolarEdge they were able to double the string length to 40 modules per string (12.40 kWp) and create oversizing of 135%.

“After understanding this company's high priority for easier O&M management, we recommended SolarEdge's commercial solution for this project, since their products meet the most stringent reliability, safety and performance standards...”

Mr. Jirote Paitoon, Managing Director, Solomon Green Energy



- Laem Chabang, Thailand
- 2,194.8 kWp (3 roofs) - roof 1: 1,116 kWp, roof 2: 446.4 kWp, roof 3: 632.4 kWp
- 59 X SE27.6K SolarEdge inverters
- 3,540 X P700 SolarEdge power optimizers
- 7,080 X JA Solar modules [JAP6-72-310W]
- Installation date: August 2017