



GOODWE
YOUR SOLAR ENGINE

CASE STUDY



GoodWe Earns 180,000 USD with 1.6 MW Rooftop Solar for Tay Ninh factory in Vietnam

Background:

Located in the South-East of Vietnam, Tay Ninh is among the key provinces for economic development. With an average daily radiation of 5.1 kWh/ m²/ day and average sunshine hours of approx. 2400 hours/ year, Tay Ninh has great potential solar energy potential.

On 6 April 2020, the Vietnam government signed Decision No. 13/2020/QĐ-TTg on the mechanism of encouraging development of solar power in Vietnam. This Decision officially came into effect from 22 May 2020. According to Decision 13, RSP project has been defined as a solar power system with PV panels installed on the roof of construction work and a capacity not exceeding 1MW (or not more than 1.2 MWp), directly or indirectly connected to a power grid of 35kV or lower. Based on the content of Decision 13, Power Corporations will sign electricity purchase and payment contracts for RSP projects that have closed the meter readings to begin.



Installation details

Location: Tay Ninh province, Vietnam
EPC: Nang Luong moi joint stock company
System Capacity: 1.6MW
Installation time: 17/12/2020
Panels: LONGi 445W * 3660 units
Inverters: GW120K-HT * 11 units (average operation time: 10 hours/day)
Electricity generation: > 2GWh/ year

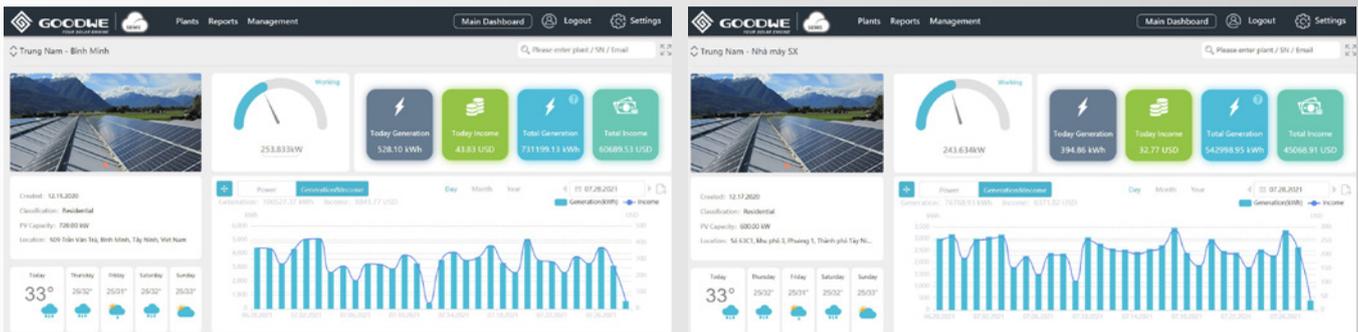
Solution:

With the ambition to invest in rooftop solar in Tay Ninh, the project owner chose Nang Luong moi joint stock company, an outstanding EPC in Vietnam, to install this project. To maximize the cost efficiency, the EPC proposed 445W LONGi solar panels to go with GoodWe GW120K-HT and form a 1.6MW solar system which is expected to earn over 180,000 USD/ year.

High-quality products help minimize O&M cost. As the winner of All Quality Matters Award for six consecutive years, GoodWe guarantees tier-one suppliers for all inverter components and other accessories which can enhance the overall customer experience.

* According to Decision No. 13/2020/QĐ-TTg, the FiT price applied for RSP finished by 31 December 2020 is equivalent to 8.38 US cents/kWh and the electricity contract between RSP owners and EVN (state owned electricity company) will last for 20 years.

System performance:



Environmental effect:

The PV generation in this case will reduce CO₂ consumption by 1,417,000 kg per year, which is equivalent to:



7,029,396
square meters of
forest



308 cars driven
for 1 year



710 metric tons
of coal burned



603,658 liters
of gasoline
consumed



172,412,024
times of
smartphone
charged



257 homes'
annual electricity
consumption

“ We have been using GoodWe's inverters for a couple years now. According to our assessment, GoodWe inverters offer excellency, which brings higher yields and stable performance compared to other brands. GoodWe is the best choice for this solar rooftop project. ”

Nang Luong moi joint stock company, EPC of the project.