We invest in your future

Solar PV Installation at
MK Footwear Ltd. Mawna,
Sreepur, Bangladesh

Latest OPEX Project Developments by ERESI Solar ApS

Why solar energy in Bangladesh?

Bangladesh relies on fossil fuels, oil, gas and coal, but cannot mine or buy enough to support their ever-increasing energy consumption. Bangladesh currently has an overall economic growth of 7-8% per year. In order for Bangladesh to sustain that growth in the future, their energy sector must grow between 11 and 12% per year.

The price of fossil fuels is steadily rising in Bangladesh, causing electricity prices to rise too. The national electricity grid is obsolete and has not been expanded sufficiently. That means the grid is subject to outages every day. So, nationally, there is a huge need for diesel-powered generators to maintain the operation of lifts, air-conditioning, factories, lighting, traffic lights, etc.

To solve the energy supply issues, the Bangladesh government has taken several initiatives, for which they have received the support of the World Bank.

The Bangladesh government has set an ambitious goal: a minimum of 10% of their total energy supply must come from sustainable energy sources by 2020 and 30% by 2030.

Solar energy is perfect for Bangladesh, given that the country is situated near the Equator and therefore, the solar radiation is high. There is approximately 40% more solar radiation in Dhaka than in Copenhagen.

Consequently, the Bangladesh government has taken the initiative to prioritize solar energy. For example, giving tax reductions and other reliefs for companies that invest in solar energy.

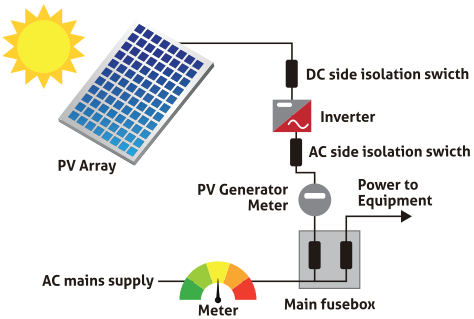
Despite the ambitious climate goal, the Bangladesh government has approved the construction of several coal power plants in the northern part of Bangladesh to cover the daily energy requirements. Therefore, it will take outside investments in Bangladesh to prevent future energy solutions that use fossil fuels.

The above six goals for the UN's development goals are promoted through investments in solar projects on factories in Bangladesh. The use of solar energy enhances a factory's CSR profile, particularly vis-à-vis European and American customers in particular, and increasing competitiveness.

Introduction

ERESI Group was founded in 2017 in Denmark.
Our purpose is to invest in roof top solar projects in Bangladesh and provide our clients with a more environmentally friendly and economical sustainable source of energy.

We originate from the textile industry and have been working in Bangladesh since 1989. We know and understand the business, the culture, as well as the unavoidable needs to develop the Energy Sector in Bangladesh.



In our Business Model, we take care of everything and deliver a financed "Turn-Key Project" so you only have to concentrate on your business.

We take care of:

- Site Visit
- Technical Surveys
- Technical & Financial Due Diligence
- Danish Design and Structure
- Selection, Transportation and Import of solar modules, inverters, etc.
- Civil Works and Installation
- Financing
- Insurance
- Operation & Maintenance

We work to find the best suitable solutions for each individual client - and the best part is that we also **finance** it.

When working with the ERESI Group you will experience a professional attitude and a fast and efficient service. We are there for you all the way.

Facts:
Solar panels not only reduce energy bills in companies, but also their environmental impact. Each megawatt-hour produced by a solar array displaces grid electricity, which could come from coal or natural gas. Considering that solar panels can last for over 25 years, the avoided emissions are significant.

CAPEX or OPEX - Ways to Finance Rooftop Solar Systems and Realize Huge Savings

Rooftop solar systems empower consumers with two distinct benefits -savings on power costs and contribution to the environment by going green. When it comes to the investment options in rooftop solar systems, the most popular models are OPEX and CAPEX.

We have elaborated on what these models entail and why each of them makes a convincing case to invest in rooftop solar.

OPEX Model is a system where the developer owns the solar project.

- The consumer only pays for the energy generated.
- Rooftop installed under OPEX requires the consumer to enter into a long-term legally binding Power Purchase Agreement (PPA) for the supply of power.
- PPA can be signed from 15-25 years and the consumer is expected to pay a predetermined fixed tariff for the entire duration of the PPA.
- Any excess electricity generated may be injected into the grid with a bi-directional meter.
- All capital expenses and risks in the OPEX model are entirely borne by the developer.
- The developer will be the system's owner for the entire duration of the PPA, thereafter the ownership will be taken over by the consumer.
- The developer provides Operation & Maintenance for the entire duration of the PPA.
- The developer will insure the Solar Panel installation.

CAPEX Model is a self-funding model where the consumer buys a Turn-Key Solar Project.

- The consumer must bear all the capital expenses incurred in installing a rooftop system upfront.
- All Operation and Maintenance and expenses incurred is borne by the consumer. It also includes the cost of equipment, labor, upgrades, and other material costs.
- CAPEX model will eventually be a cheaper model after repayment of debt but it also requires investment.
- The consumer will have to bear all expenses for insurance.

Did you know?
That 1MW of our solar power roof top installations reduces 1,584 tons Co2 emission per year and over the duration of the PPA contract approx 31,780 tons of Co2 emission.

eresi solar

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