

# Saver Solar (Pvt) Ltd.

*The Smart Choice*

## About Us:

We are a solar **EPC (engineering procurement & construction)** company working since 2020. With expertise in system designs & implementation we provide energy solutions to residential, commercial as well as industrial clients all over Pakistan. We are efficient, quality conscious and customer focused delivering turnkey solutions to bring an energy revolution in Pakistan.

We believe in the power of solar energy to create a brighter future for generations to come. Our Vision is *"To make solar energy accessible and affordable for everyone and to help our clients save money while reducing their environmental impact"*. With the focus on quality, reliability, and exceptional customer service, we take pride in delivering top-quality products and services to our clients. Our team works closely with each client to design customized solutions that meet their unique energy needs and budget requirements.

We are dedicated to promoting the use of solar energy and creating a sustainable future for our planet. Join us in the solar revolution and let us help you harness the power of the sun for a brighter tomorrow.

## Our Services:

- Installation
- Monitoring
- After Sales Services
- SBP Green Bank Financing

## Our Solutions:

- Residential Solar Solutions
- Commercial Solar Solutions
- Industrial Solar Solutions
- Agricultural Solar Solutions

## Certified Company:



## Solar Energy:

Solar energy is generated when sunlight is converted into electricity. Sunlight is composed of photons, which are units of light energy. When sunlight reaches the earth, that energy can be captured via solar panels and transformed into usable energy in the form of electricity.

## Benefits of Solar Energy:

- Renewable and Sustainable
- Reduces Electricity Bill
- Cost Savings
- Creates Economic Opportunities
- Environmentally Friendly

## Comparison of Solar System:

| Aspect                      | Before Installation of Solar System       | After Installation of Solar System                                    |
|-----------------------------|-------------------------------------------|-----------------------------------------------------------------------|
| <b>Electricity Bills</b>    | High monthly bills due to 100% grid usage | Bills significantly reduced (30–90% savings depending on system size) |
| <b>Power Reliability</b>    | Frequent power outages/load shedding      | Backup power available through solar + batteries                      |
| <b>Cost of Energy</b>       | Increasing electricity tariffs over time  | Stable, free energy from sunlight after installation                  |
| <b>Environmental Impact</b> | High carbon footprint from fossil fuels   | Reduced carbon emissions, eco-friendly energy                         |
| <b>Initial Investment</b>   | No upfront cost (only pay bills)          | Requires one-time investment for system installation                  |
| <b>Long-Term Savings</b>    | No savings, continuous expense            | High savings after payback period (1–2 years)                         |
| <b>Property Value</b>       | Normal property value                     | Property value increases with solar installation                      |
| <b>Independence</b>         | Dependent on utility companies            | Energy independence and security                                      |
| <b>Maintenance</b>          | No special maintenance required           | Minimal maintenance (cleaning panels, battery check)                  |

## Mona Dairy Farm (Nankana Sab)

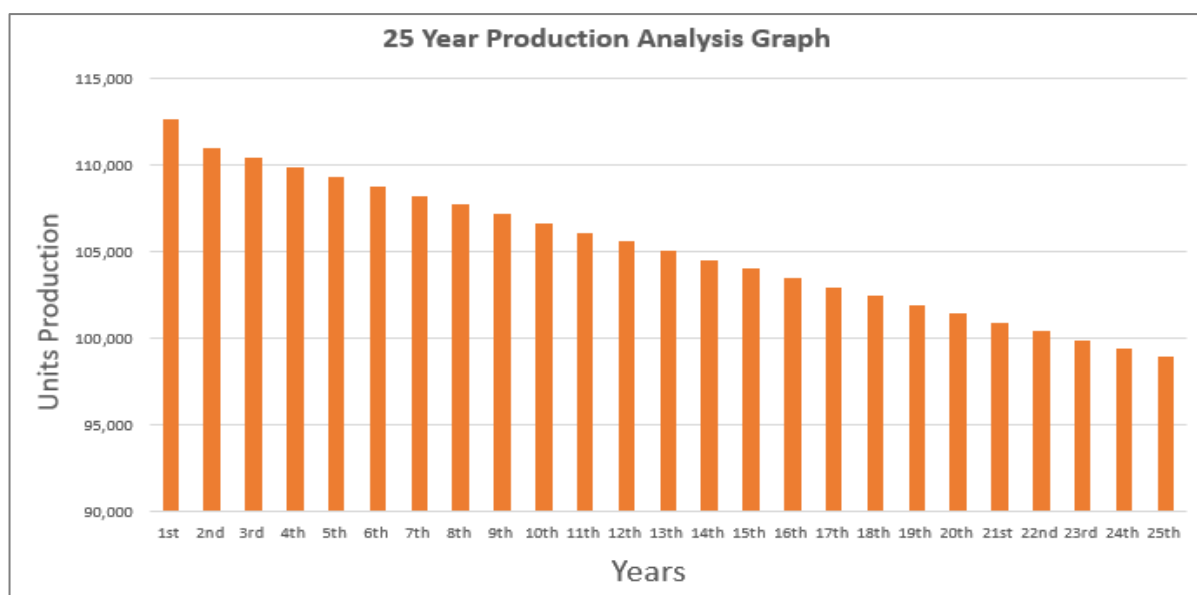
The **80-kW grid-tied solar system** is a high-capacity and efficient renewable energy solution, ideal for commercial and industrial installations seeking long-term energy savings. The system is powered by **Trina 615W bifacial** solar panels, which are designed to generate energy from both the front and rear sides, increasing overall power output through reflected sunlight and improving performance in varied site conditions. Energy conversion is managed by a **125 kW GoodWe on-grid inverter**, offering high efficiency, advanced MPPT technology, and intelligent monitoring to ensure stable and reliable system operation. The panels are installed on a **customized elevated mounting structure**, engineered from heavy-duty materials to suit site-specific requirements, optimize tilt angles, enhance airflow, and provide strong resistance against wind and environmental stress. This on-grid system is fully compatible with **net metering**, delivering significant reductions in electricity costs, minimal maintenance, and a sustainable, eco-friendly energy solution.



## System Analysis:

|                              |                         |
|------------------------------|-------------------------|
| Avg generation per month     | 9,390 KWh (Units)       |
| Avg generation per Year      | 112,700 KWh (Units)     |
| Total Project Cost           | 5,865,000/- Rs          |
| Payback                      | 1.5 Years               |
| Benefit of Solar System      | Up to 23 Years          |
| <b>Total 25-Years Saving</b> | <b>131,460,371/- Rs</b> |

## Production Graph:



## ROI Graph:

