



On-Grid Solar System

An On-Grid Solar System, also known as a grid-tied solar system, is a solar power setup that is connected to the local electricity grid. It allows homeowners and businesses to generate their own electricity and feed excess power back into the grid.

How an On-Grid Solar System Works

1. **Solar Panels**: Convert sunlight into DC electricity.
2. **Inverter**: Converts DC electricity into AC electricity used by household appliances.
3. **Net Metering**: Excess power is sent to the grid, and users receive credits.
4. **Grid Connection**: The system works with the grid to supply continuous power.

Advantages of On-Grid Solar System

- ✓ **Cost Savings**: Reduces electricity bills through net metering.
- ✓ **No Battery Required**: Eliminates battery costs and maintenance.
- ✓ **Eco-Friendly**: Promotes the use of renewable energy.
- ✓ **Reliable Supply**: Uses grid power when solar energy is insufficient.

Conclusion

On-grid solar systems are an excellent choice for reducing electricity costs and promoting renewable energy usage. They are efficient, easy to maintain, and financially beneficial in the long run.