

EV Protec FZE

G18, Phase 3, Dubai Industrial City

Dubai, UAE

T. +971 44209669 | +971 551393968

Email. info@evprotec.com



SOLAR ROOFTOP SOLUTIONS



SUMMARY

A solar rooftop system is a sustainable and cost-effective way to generate electricity by harnessing solar energy. It involves installing solar panels on the roof of a building, where they capture sunlight and convert it into electricity through photovoltaic cells.

These systems consist of solar panels, inverters (to convert the DC electricity to AC), and other components like mounting structures and batteries .

Solar rooftop systems can be grid-tied, off-grid, or hybrid, each offering different benefits depending on the need for energy storage or grid connectivity.

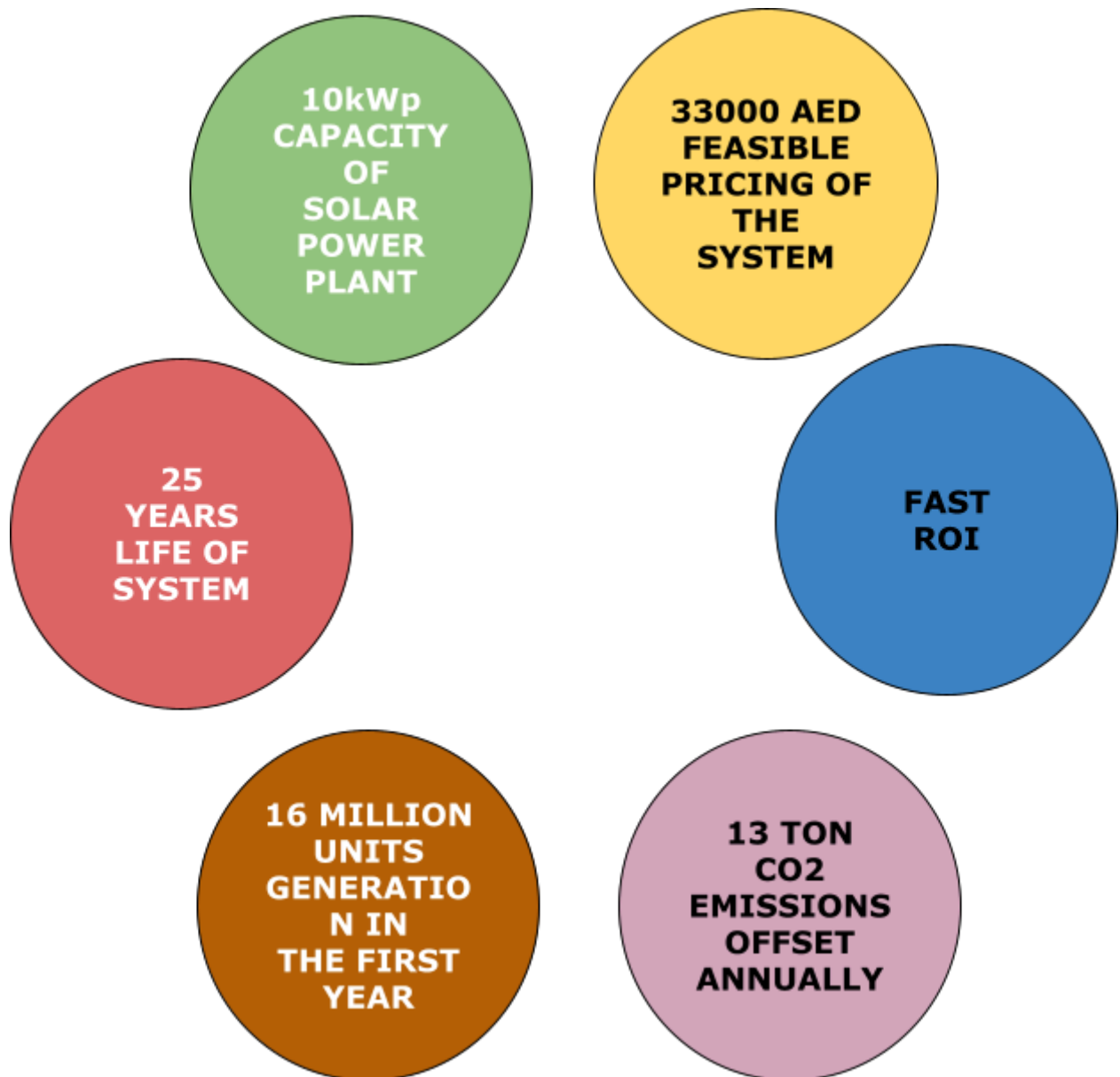
The primary advantages include lower electricity bills, environmental benefits, and increased property value.

Solar rooftop systems are especially beneficial for areas with ample sunlight, offering energy independence and contributing to a cleaner, greener environment.

BENEFITS

- Clean, secure and sustainable source of energy.
- Reduce dependency on polluting and depleting fossil fuels thus reducing carbon footprint.
- Electricity generated from solar energy is cheaper than power sourced from fossil fuels.
- Solar is a natural and infinite source of energy.
- NO pollution of any kind.
- Each KW of solar energy installed is equivalent to planting 90 trees.
- 1 KW can offset 1.26 tons of CO₂ every year when compared to the same energy produced from coal.
- 30 to 40% savings on electricity bills on lease model.
- ROI of less than 4 years on the Capex model.
- Increases value of the property in the long run.
- Can reduce room temperature up to 2 degrees.
- Excess power can be exported to the grid which will be credited for future consumption.
- Project life of 25 years.

HIGHLIGHTS



SCOPE OF WORK

Nizine will provide Engineering, Design, Procurement and Monitoring services.

01. A detailed feasibility study based on the data provided by the client and site visit
02. Detailed Engineering and Design for optimum space utilization to provide the best possible solution
03. Procurement of Solar Modules, Inverters, MMS, AC and DC Cables, procurement of C&D class materials
04. Construction including civil, electrical and mechanical works
05. Installation, Testing and Commissioning as per authority standards
06. Technical Support through project execution and 1 year Defect Liability Period

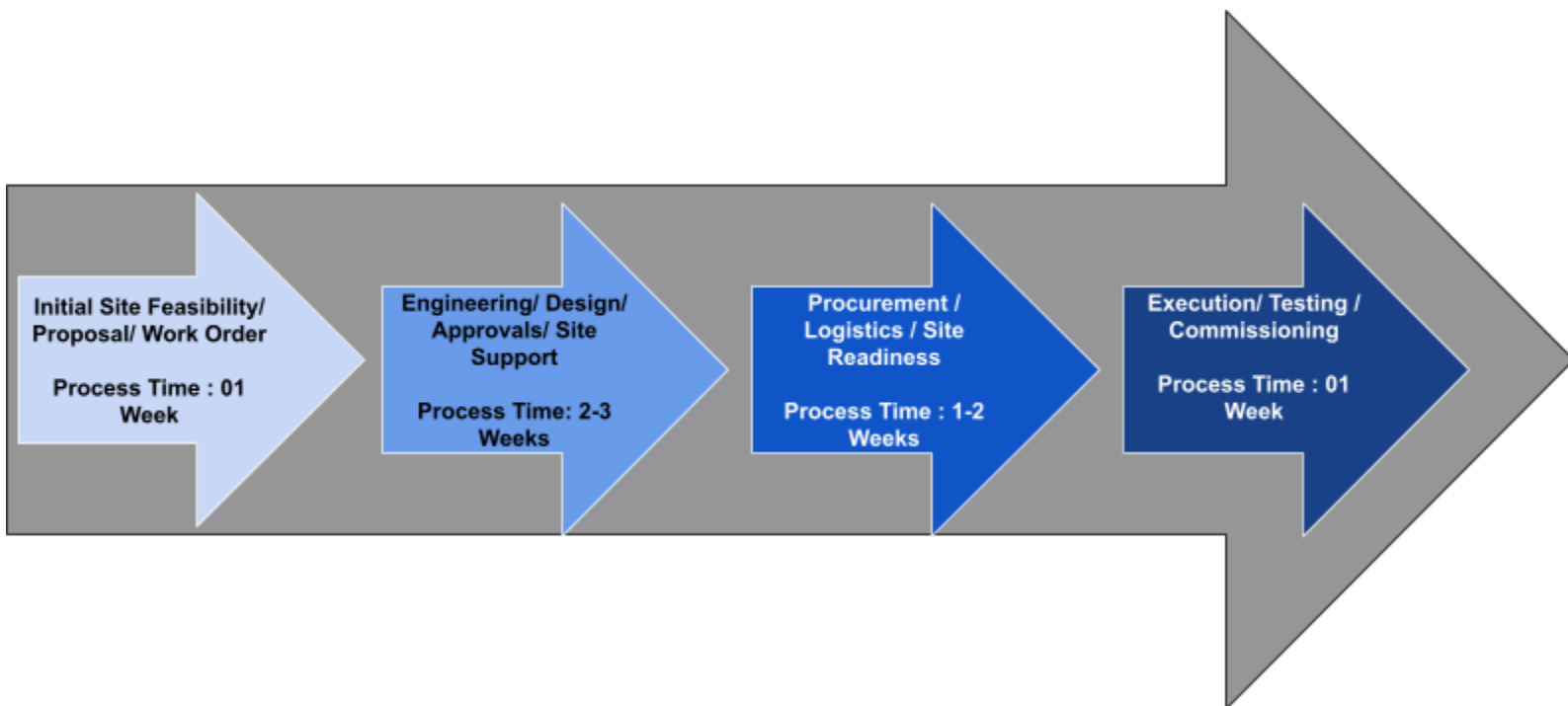
PRODUCT SPECIFICATION

S. No.	Product	Make
1	PV Modules	Jinko / Trina / JA / Equivalent
2	Inverter	Sungrow / Sofar / Equivalent
3	Module Mounting Structure	ENF / SMS / Equivalent
4	DC / AC cables	LAPP / Ducab / Apar / Equivalent
5	Junction boxes	Fibox / Hensel / Equivalent
6	Electrical Components	Siemens / ABB / Schneider / Reputed Make
7	Installation Accessories	Customized

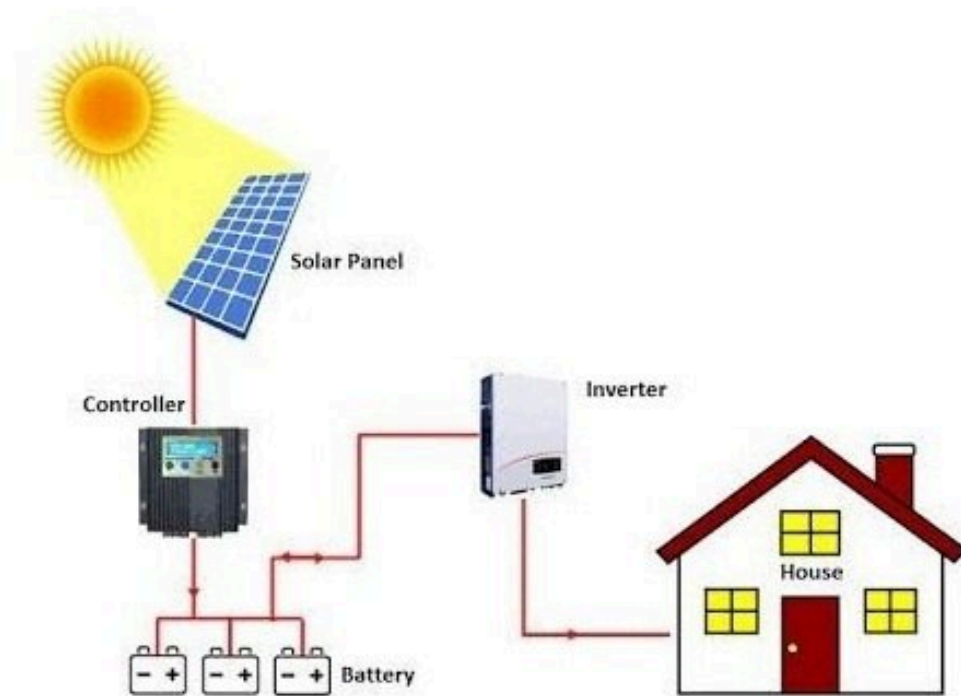
WARRANTY

Sr. No.	Product	Warranty
1	Solar Modules	12 Years on Product and 30 Years Linear Performance
2	Grid tied string inverter	5 Years, Extendable
3	Module mounting structure	10 Years on Design
4	Cables and other Materials	Standard Manufacturer's Warranty

PROJECT TIMELINE



OFF-GRID SOLAR SYSTEM



HYBRID SOLAR SYSTEM

