

Diesel Generator Alternative Using Solar Power Plants Sunipod

Problem: Power system reliability is critical for most business applications. To avoid losses caused due to intermittent power supply and load shedding, most businesses use diesel power generators as backup. However this presents its own set of operational problems and risks.

- Prices of diesel will continue to rise thus increasing the cost of operations.
- Regular servicing like oil and filter changes increases maintenance costs.
- Scheduled maintenance such as de-carbonisation, adjustments etc. and unscheduled overhauls such as replacement of parts etc. requires skilled engineers who may not be available on time, at close proximity increasing downtime and also increasing costs.
- Storing diesel supplies on premises is difficult and encourages thefts while endangering employee, customer lives.
- WHO has classified diesel fumes as carcinogenic leading to lung cancer and treating it same as passive smoking and UV radiation.

Solution: Sunipod's innovative Diesel Generator Alternative Using Solar Power Plants overcomes all the above problems and offers freedom from high operational costs and intermittent power...be independently happy,

- Inflation proof solar power generation requires no fuel.
- State-of-the-Art Photovoltaic (PV) technology offers a techno-commercially viable solution.
- High efficiency inverters are the system's steady heart.
- Intrinsically Fail-Safe design.
- Optimized storage using high-capacity Sealed Maintenance Free (SMF) Valve Regulated Lead Acid (VRLA) battery banks assure that you get the power you need.
- Remote monitoring of the complete system via secure website using a PC or Phone.



Solution Highlights:

- Lock in your power price for as low as Rs. 2-3 per unit.
- 3-4 years' payback, when compared to backup diesel generation based on operations and maintenance cost savings.
- Integrated Sunipod with your existing grid connection for an "always-on" system.
- 360° view of the complete installed system remotely.
- Virtually maintenance free except periodical cleaning of solar panels.
- Expected system life of about 25 yrs.
- Typical 25 kW installation reduces CO2 footprint by 1,20,000 kgs. It's like planting 700 trees!



Why Sunipod ?

- In house expertise of the fully integrated solution helps in assuring total system performance.
- Carefully selected quality components that are rigorously tested based on specific application for improved reliability and extended solution life.
- 2 years warranty for the complete installation services in addition to manufacturer's warranty.
- 24x7 customer support, help is just a call away.

Who is it for:

- Industrial Houses
- Retail stores
- Warehousing Facilities
- High security military installations
- Petrol Pumps
- Commercial office complexes
- Hospitals and Emergency rooms
- Schools and Colleges
- BPO/KPOs
- Clubs, Malls, Hotels, Resorts etc.

Illustrative example:

A hospital faces intermittent power supply through load shedding and forced outage affecting their patients and reputation. They counter this problem by using backup diesel generator. The heavy cost of diesel along with scheduled and unscheduled maintenance increases the overall cost of power. The rising cost of diesel continuously keeps reducing their profitability. They implement the Sunipod Diesel Generator Alternative Using Solar Power Plants

Sunipod designs a custom sized solution that provides a 3 year investment payback and Rs. 2 Crores in savings on diesel costs.

They also generate great PR from the installation.

Sunipod Diesel Generator Alternative Using Solar Power Plants is modular by nature allowing its implementation at multiple locations.

To learn more on how Sunipod Diesel Generator Alternative Using Solar Power Plants can save you money call us for a FREE consultation at +91-22-6464-9090 or write to us at info@sunipod.com



Specifications included in this datasheet are subject to change without notice. Electric data without guarantee.

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