



Are you fed up with high electricity bills?
Or frequent power cuts?

ElectroSUNTM is the solution!!

Power From Solar Panel



ElectroSUNTM
Solar Power Pack

DC Current

AC Current



Battery



Load

Guaranteed
Energy
Generation

Doorstep
Service

Power cost
<Rs.2/unit
over 20
years use

Payback in
as low as
3 years

Easy
Finance
Options

ElectroSun™ Solar Power Pack (SPP) gives you freedom from power cuts. You don't have to depend on costly diesel generators during load shedding. Most importantly, it gives you power at a much economical rate over its lifetime. Our SPPs deliver uninterrupted power through an automatic system without any manual operation. It ensures consumption of solar power first and in absence of sunlight, the stored battery power is consumed followed by use of grid power. The battery discharge level can also be set depending on power to be reserved for emergency use. Excess solar power, which is available after catering to day time load, is used to charge the battery. With the advent of net metering in many states of India, solar power is becoming all the more attractive for all consumers.



Features:

- Ideally suited for applications with day time load e.g. Homes, Schools, Colleges, Community Centres, Commercial Offices, Construction companies, Hotels, Hospitals, petrol pumps etc.
- Available with battery backup for night time use or without battery backup for only day time use.
- ElectroSun Solar Power Interface can connect your existing inverter with solar power feed
- Advanced Microprocessor for improved performance.
- Inbuilt Maximum Power Point Tracking (MPPT) controller for system sizes 1KVA and above
- Solar Prioritisation over grid power with Pure sine wave output
- High efficiency, Dual mode operation for running on solar and mains
- LCD display to indicate energy generated, power source, power output, battery level etc.
- Optional GSM SIM card slot available for retrieving real time data on system performance from remote locations
- MNRE approved Solar Photo Voltaic (PV) panels with IEC 61215 / 61730 / 61701 / 60068-2-52 and UL 1703 Certification

ElectroSun Solar PV Power Packs Payback Estimation:

Return on Investment in terms of Payback period depends on factors like utility power tariff, cost of DG set power, solar insolation at the site location, energy generated and hence utility / DG set power saved by Solar Power Pack etc. In addition, there are various incentives available from Government by way of interest subsidy, accelerated depreciation etc., which influences the payback period calculation. Hence, the payback period will vary significantly for different types of consumers and at different locations.

Typically, Utility power cost ranges from Rs.6 to Rs.14 per KWH at various locations in India for different consumer segments like domestic, commercial, industrial etc. DG set power also costs in excess of Rs.14 per unit. Similarly, solar insolation normally varies from 3 to 7.5 KWH/M²/day in different months and places in India resulting in 2.75 to 7 units energy per KWp solar panel.

The most significant Government incentive is the accelerated depreciation on investment in solar product assets by companies. In the 1st year itself, a depreciation of 80% is allowed although the product is expected to have a life of app. 25 years.

Based on the data on these factors as available for major parts of western India, the following payback period and lifetime (25 years) power cost can be achieved:

Type of Investment	Payback Years		Lifetime Power Cost / Unit	
	Without Battery	With Battery	Without Battery	With Battery
With Depreciation benefit	2.84	4.12	Rs.1.39	Rs.3.51
W/Out Depreciation benefit	4.19	6.10	Rs.2.05	Rs.4.48

ElectroSun Solar Power Packs Range:

Inverter's Rated Capacity	300VA	600VA	1 KVA	1.5 KVA	2 KVA	3 KVA	5 KVA
Rated Output Current @230V	1.3A	2.6A	4.3A	6.5A	8.7A	13.0A	21.7A
Max Input Power from Solar Panel	500 Wp	500 Wp	1000 Wp	1500 Wp	2000 Wp	3000 Wp	5000 Wp
App. Units (KWH) generated in a year	800	823	1734	2601	3468	5202	8670
Approx Roof Area Required	5 Sq M	5 Sq M	10 Sq M	15 Sq M	20 Sq M	30 Sq M	50 Sq M

Larger systems in excess of 5KVA capacity are also available in our **AEGASUN®** range of Solar Power Plants.

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Authorised Dealer: