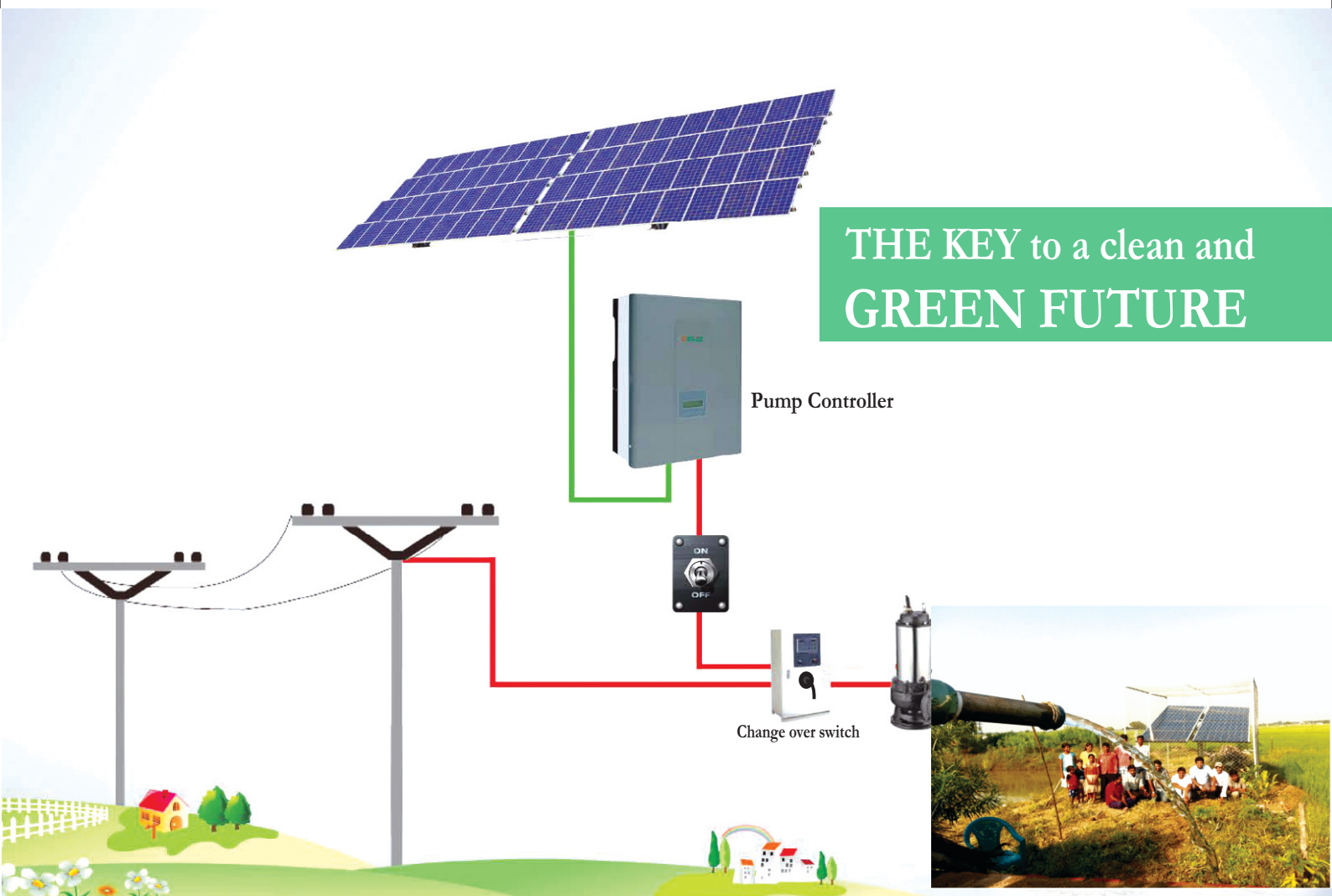


AEGASUN[®] Solar Water Pumping Systems

THE KEY to a clean and
GREEN FUTURE



Solar Pumping Systems are extremely useful for running AC pumps for agriculture, domestic or industrial applications. These systems consist of a pump controller which draws power from solar panels and run the pump through a variable speed drive controller.

- MPPT Charge Controller for high efficiency
- Suitable for 3 phase submersible or surface pumps
- IP55 protection for outdoor use
- Standard range available from 1 HP to 10HP.
Higher capacity available on demand



1. Application of deep well pump and sewage pump to irrigate.



2. Village and town water supply



3. Pumping and drip irrigation



4. Solar Power station cleaning



ElectroSun Solar LED Street Lights are ideal choice for most economical illumination of common areas in housing societies, industrial and commercial complexes, roads and highways. Depending on the nature of application, we have appropriate solutions to offer. Apart from a set of standard street lighting models, we also have customized solutions for non-standard requirements.

Solar Street Lights can be installed either in standalone configuration where solar panel and battery are fixed on the pole itself; or they can be a centralized lighting system feeding battery stored solar energy to the lights in each pole. In centralized system, the solar panels, batteries and inverter are located at a central place.

These street lights are available with automatic dusk to dawn operation

Comparison Between Stand Alone and Centralised Solar Powered Street Lights

| Sr. No. | Features | Stand Alone DC Solar Powered Street Lights | Centralised AC off grid Solar Powered Street lights |
|---------|--------------------------|--|--|
| 1 | LED Lamps | DC lamps, not available easily | AC Lamps, easily available in the market |
| 2 | Battery and Solar Panels | Individual, dedicated for each light | Common battery bank and solar panels |
| 3 | Solar Inverter | Not required | Required with charge controller |
| 4 | Cabling | DC cabling only within pole. | AC cabling also between poles |
| 5 | Electricity Board Power | Not usable, since DC | Usable through Solar Inverter placed at the central location |
| 6 | For rainy season | High battery backup required | Normal battery backup due to availability of utility power |
| 7 | Effect of shadow | Each pole must have shadow free top. Even trees may grow later to block the sun light | The solar panels can be installed centrally at a carefully selected shadow free location. |
| 8 | Maintenance | Higher due to batteries and panels at multiple locations | Easy due to centralized power supply system |
| 9 | Total Cost | Normally higher | Normally lower, Considerably lower for high total wattage |
| 10 | Suitable for | <ol style="list-style-type: none"> 1. Remote areas with high distance between poles 2. Locations without electricity 3. Sites where cabling between poles is difficult 4. Number of street lights or total power requirement is less | <ol style="list-style-type: none"> 1. Higher total power requirement 2. Cabling between poles is easy or existing 3. Higher autonomy during rainy days due to availability of / battery charging by utility power 4. Usage of power for other purposes also 5. Conversion of street lights from existing utility power to solar power |

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