



## SOLAR STREET LIGHTING SYSTEMS



**Geesys** Technologies solar street lighting systems are designed to operate as one integrated system. This system includes the power generation, storage and management (solar panels, battery & controller) as well as the light itself, support frame & weather proof housing. The fully integrated system incorporate the latest and most innovative technologies like PWM(Pulse width modulation) and three stage battery charging to enhance the better battery life, providing years of convenient and trouble free lighting. **Geesys** Technologies Solar has a wide range of Solar Street lights which includes CFL and LED lamps for different lighting requirements.

### Features:

- Automatic dusk to dawn / Timer operation
- Highly efficient PWM charge controller and inverter
- Three step charging algorithm
- Temperature compensated battery set points
- Weather proof luminaries
- Adequate protections and indications
- UV stabilized bowl and canopy
- Anodized aluminum reflector





**Application:**

- Rural street light Applications
- Path Lighting
- Holiday Resorts
- Railway and Shipyard Lighting
- Township
- Campus Lighting
- Farm House Lighting

| CFL based street lighting Systems        |   |   |   | LED based Street lighting System          |   |
|--|---|---|---|---|---|
| Technical details                        | CFL-11 Watt                               | CFL-18 Watt                               | CFL-22 Watt                               | LED-7Watt                                 | LED-12Watt                                |
| SPV Module                               | 1x75Wp                                    | 1x100Wp                                   | 2x75Wp                                    | 1x40Wp                                    | 1x60Wp                                    |
| Battery@C10                              | 12V 75Ah                                  | 12V 100Ah                                 | 12V 150Ah                                 | 12Vx40Ah                                  | 12Vx60Ah                                  |
| Lamp/Wattage                             | 1x11 W                                    | 1x18 W                                    | 2x11 W                                    | 1x6 Watt                                  | 1x9 Watt                                  |
| Lamp Luminosity                          | 1x900 Lumens                              | 1200 Lumens                               | 2x900 Lumens                              | 15 Lux                                    | 25 Lux                                    |
| Daily Usage Capacity                     | Dusk to dawn                              | Dusk to dawn                              | Dusk to dawn                              | Dusk to dawn                              | Dusk to dawn                              |
| Storage Autonomy                         | 4 Days                                    | 4 Days                                    | 4 Days                                    | 4 Days                                    | 4 Days                                    |
| PWM Charge Controller                    | 6 Amps                                    | 10 Amps                                   | 10 Amps                                   | 6 Amps                                    | 6 Amps                                    |
| Pole, Battery Box and Mounting Structure | 4.5 Mtr Galvanised/ MS with Powder Coated | 4.5 Mtr Galvanised/ MS with Powder Coated | 4.5 Mtr Galvanised/ MS with Powder Coated | 4.5 Mtr Galvanised/ MS with Powder Coated | 4.5 Mtr Galvanised/ MS with Powder Coated |

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