



## **SOLAR LED LIGHTS**

### **LED Based Lights**

**Solarwell** is an engineering based company with specialized focus on environment friendly and energy efficient systems. Our engineers can use individual LED to create their combined effect. Different arrangements of LED's in different lights with their specific placement schemes, operating voltages and dispersion angles etc. can light any specific place according to requirement.

LED's (Light Emitting Diodes) are very low in charge consumption, thus requiring low power. A low power LED light can produce much more light than equivalent conventional light.

The LED's based Lights are available in different wattage and can be designed and produced for specific customer requirements. These lights are categorized on the basis of number of LED's in the light. These lights range to any number of LED's up to 1200 in one fixture.

- **Highest Efficiency Solar PV Module** – Crystalline Solar Module
- **Field adjustable Solar Panel Mount** – can be rotated around 360° with respect to vertical plane and can be tilted from 0 - 45° with respect to Horizontal Plane to obtain maximum light facing the sun.
- **Lighting Fixture** – Aesthetically designed outdoor weatherproof light fixture body.
- **Electronics** are very high efficiency consisting of a LED controller, charge controller & Temperature Compensation for proper charging of the battery irrespective of ambient conditions. The electronics is also provided with overcharge protection, Deep Discharge protection, open circuit & Short circuit protection.
- **Battery** – Battery used is No Maintenance Dry battery specifically designed for solar applications. The battery provides uninterrupted power for dusk to dawn operation of the light.
- **Battery Enclosure** – A vented, acid proof, corrosion resistant Galvanized battery box is provided.
- **Operation** – Automatic ON/OFF. It can be designed for 2, 4, 6, 8, 10 & 12 Hours operation by providing timer based circuits.
- **Independent Power**
- **No Electricity Bill**