

## SOLAR STREET LIGHTING SYSTEM



Solar street lighting system is an ideal lighting system for the illumination of streets, squares and cross roads located in areas that are not connected to the power grid.

This fully integrated system combines the latest and most innovative technologies available providing years of convenient and trouble free lighting. Fully assembled factory tested kits are available with or without mounting poles.

The standalone solar photovoltaic street lighting system comprises of a Compact Fluorescent Lamp (CF Lamp) as light source, re-chargeable lead acid battery for storage, PV modules for charging the battery, suitable electronics for the operation of the lamp and safe charging and discharging of the battery and mechanical hardware for fixing these sub systems.

SSL is available either with automatic dusk to dawn operation or with a pre-set timer.

SSL is available in 6 models depending on the wattage of the SPV Module, type and size of the battery and mode of operation.

Luminaires are also available with Low Pressure Sodium Vapour (SOX) lamps and higher wattages of compact fluorescent lamps against specific customer requirements.

The SOX lamp is a monochromatic (Yellow - Orange) light source - delivering the highest possible lumens per watt. CF Lamps provide slightly less lumens per watt, but produce a white light which actually appears brighter than SOX and should be used in areas where colour rendition is critical.

### FEATURES

- More than 3 days of autonomy
- Automatic Dusk to Dawn Controller (DTDC) / Timer operation
- Highly efficient charge controller and Inverter
- Two step charging algorithm
- Temperature compensated set points
- Weather proof luminaries
- All necessary protection
- UV stabilised bowl and canopy
- Anodised aluminium reflectors



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### ORDERING INFORMATION

<b>SSL series</b>					
Model	PV Module	Battery	Lamp	Operation	Autonomy
SSL-12040A	37 / 40Wp	12V 40AH Flooded	11W CFL	8 Hrs	4 Days
SSL-12050A	50Wp	12V 40Ah Flooded	11W CFL	12 Hrs	3 Days
SSL-12075A	75Wp	12V 75Ah Flooded	11W CFL	12 Hrs	5 Days
SSL-12040B	37 / 40Wp	12V 42Ah VRLA	11W CFL	8 Hrs (5+3)	4 Days
SSL-12050B	50Wp	12V 42Ah VRLA	11WCFL	12 Hrs	3 Days
SSL-12075B	75Wp	12V 65Ah VRLA	11WCFL	12 Hrs	5 Days