



DUAL SERIES

Cost Effective Solar Lighting Solutions



Standard Features

<u>Solar panel</u>	Mono or polycrystalline silicon based solar panels, with conversion efficiency as high as 15%. The crystalline-silicon panel has an aluminum frame and glass on the front, guaranteeing excellent protection against the environment. The expected lifetime of the solar panels is 20~25 years.
<u>LED fixture</u>	An advanced LED street lighting fixture emitting brilliant light with excellent color clarity. We propose a large variety of design to fit customer expectation.
<u>Batteries</u>	Leak proof Deep cycle lead-acid battery, GEL batteries wired in series or parallel and placed in a battery pack. Waterproof battery box for underground burial, or metallic battery box for on-pole attachment are available options. Five year warranty on the batteries, pro-rated replacement credit for years 2-5 as follows: year 3 = 50% replacement credit; year 4 = 30% replacement credit; year 5 = 20% replacement credit. Expected life of 5 years.
<u>Pole</u>	We propose 20 feet pole, with powder coated finishing. Poles are made of hot galvanized steel.
<u>Controller</u>	Degree of Protection- IP65, is the perfect type of controller for humid location. Energy saving mode allows the controller to supply the LED with lower power when the battery are running low on energy.

Advantages

Multiple options on light power and pole height for different applications.

High brightness: individual CREE LEDs with up to 110lm/W. The brightness of the LED lamp is equivalent to 2~3 times that of a HPS lamp and 6~10 times that of an incandescent lamp.

Designed to operate during the winter months even when there is a great deal of snow and rain.

Customized lens and matched light fixture for different applications.

Gel battery provides excellent performance in locations with large temperature fluctuations.

Smart Energy Saving Mode available: High brightness for rush hours, reduced brightness or shutoff for late night and increased brightness for early birds.

Multiple lighting modes available: dusk to dawn, split night, full power, dimming.

Multiple options for colors, lamp arms, battery position.

Fast and easy installation.

Maintenance free.

Wattage

2X20W

2X30W (standard)

2X60W

2X100W

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Greenshine

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Design Options

Pole

20ft-33ft
(6m-10m)



Color

Black (standard)
Blue
Grey



Modes

Dusk to dawn
Full brightness
Timer control



GS-LED-25



30W/ 40W



GS-LED-73



30W



GS-LED-260



20W/30W/40W



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GS-LED-290



60W



GS-LED-74



60W



GS-LED-400



100W

