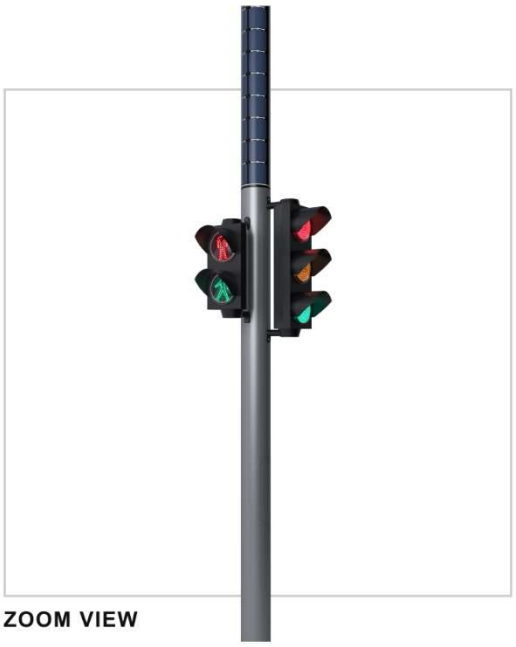
SOLAR TRAFFIC LIGHTS

Smart and wireless solar-powered traffic lights.

SolPol™
Solar Wrapped Poles for a Brighter, Greener Future

SIDE VIEW

FRONTAL VIEW



ZOOM VIEW

FEATURES

- Fully autonomous, solar LED traffic light
- Remote light control and dead lamp alert
- Weather and windproof construction for long-term durability
- Easy to install and minimum maintenance

APPLICATIONS

- Municipalities and Towns
- Schools
- Hospitals
- Airports
- Industrial areas

OPTIONS

HYBRID TRAFFIC LIGHTS - a combination of batteries and grid connectivity where the batteries serve as back-up.

CUSTOMIZATION

Solar smart street lights can be tailored to fit your specific needs: Choose the desired height, color, luminaire, light distribution and output to fit your demands.

Distributed by: Eco-$mart, Inc. 941.376.8484 phone / info@eco-smart.com

TECHNICAL SPECIFICATIONS

Wireless Solar Intelligent Traffic Light

General information	
Pole Height	6.5 m (other sizes optional)
Traffic Light	Various vehicle and pedestrian lights available
Number of Days of Autonomy	> 3 days (luminous efficacy automatically reduced)
High Power LED Traffic Lighting	
Type	200 mm vehicle and 100mm pedestrian traffic lights
Power	< 5 Watt / < 5 Watt / < 3 Watt
Housing Material	PC (UV-stabilized polycarbonate)
Operating Temperature	-30°C to +60°C (ambient temperature)
Warranty	5 years
Solar Wireless Traffic Light Controller	
Type	Wireless solar intelligent traffic
Power	≤ 3.5 Watt
Operating Temperature	-20°C to +60°C (ambient temperature)
Working Frequency	433 MHz (16 channels)
Operation Control	Programmable per app; remote control available
Remote Operation	Software traffic management control system
Signal Plans	240 different solutions; 30 period time; Allowing week plan; Allowing special day plan; All red time; red extension etc.
Operation Control	Programmable
Solar Cells	
Type	Monocrystalline silicon, efficiency > 24%
Quantity	1 PV - 64 cells
Pole	
Material	Steel hot-dip galvanized with powder coating
Wind Load	36 m/s (130 km/h)
Warranty	20 years anti-corrosion C5m
Battery	
Type	Lithium LiFePO4, High temperature (65°C)
Lifetime	7,000 cycles; ~ 19 years
Warranty	3 years (5 or 10 years optional)
Position	Batteries in the pole
Grid Connection (Optional)	
Hybrid Mode	Grid charging if insufficient energy from sun
Charge Controller Input	110 V / 220 V; 47 Hz – 63 Hz; 95% Efficiency
Protection and Security	
IP 66 Protection; IK09	
Glass cover for LED and PV unit to protect against sand abrasion	
Reverse polarity protection	
Low battery voltage cut-off	
Security pole door / vandal protection	