SHEMS Family

The smart and noble solar streetlight with high luminous output.



FEATURES

- Elegant high-performance street light for various lighting situations
- Fully autonomous and energy self-sufficient
- Smart, reliable and affordable
- Strong construction and closed design
- Easy to install and minimum maintenance

APPLICATIONS

- Prestigious squares
- Parks
- Residential areas
- Parking lots

OPTIONS

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

SOLAR POWERED CAMERA - all types of IP cameras for wide area surveillance can be integrated - either invisible mounted in the lamp head or be visibly attached.

SMART MONITORING - remote configuration and lighting control from anywhere via a modern web application.

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 / info@eco-smart.com

TECHNICAL SPECIFICATIONS

General informationPole Height6.5 - 10Diameter	5.5 m) : tt Im	25° degree (from ~240 kg (8.5 m) > 3 days (luminous efficad 120 Watt 21,061 lm ~175 lm / W 3000K / 4000K (stand -20°C to +60°C (am L80 > 100 Continuously dim	2x60 Watt 2 x 10,365 lm ~173 lm / W lard) / 5000K / 6000K bient temperature)	13 m ~350 kg (13 m) 3) 2x120 Watt 2 x 21,061 lm ~175 lm / W				
DiameterDiameterBeam AngleWeight~180 kg (6)Number of Days of AutonomyLED LightingPower60 WaLumen Output10,365Lumen Efficiency~173 lmColour Temperature (CCT)0Operating Temperature10Lifetime10Dimming0ON/OFF control10Light Profile10Motion Sensor10Warranty5Solar Module1Type1Pole1Material1Wind load1Warranty5Battery1Type1Type1Type1Material1Material1Solar Nodule1Type1Material1Matery1Type1Type1Type1Type1Solar Nodule1Solar Nodule1S	5.5 m) : tt Im	180 25° degree (from ~240 kg (8.5 m) > 3 days (luminous efficad 120 Watt 21,061 lm ~175 lm / W 3000K / 4000K (stand -20°C to +60°C (am L80 > 100 Continuously dim	mm 0° to 25° optional) ~270 kg (8.5 m) cy automatically reduced 2x60 Watt 2 x 10,365 lm ~173 lm / W lard) / 5000K / 6000K bient temperature)	~350 kg (13 m) 3) 2x120 Watt 2 x 21,061 lm				
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Lumen Efficiency~173 lmColour Temperature (CCT)Operating TemperatureLifetimeDimmingON/OFF controlLight ProfileMotion SensorWarrantySolar ModuleTypeQuantity1 PV - 64PoleMaterialWind loadWarrantyBatteryTypeType		~175 lm / W 3000K / 4000K (stand -20°C to +60°C (am L80 > 10 Continuously din	~173 lm / W lard) / 5000K / 6000K bient temperature)	,				
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ON/OFF controlLight ProfileMotion SensorWarrantySolar ModuleTypeQuantity1 PV - 64PoleMaterialWind loadWarrantyBatteryTypeType				L80 > 100,000 hrs				
Light ProfileImage: Constraint of the sector of		Program	Continuously dimmable (0-100%)					
Motion SensorWarrantySolar ModuleTypeTechnologyQuantity1 PV - 64PoleMaterialWind loadWarrantyBatteryTypeType		Programmable						
WarrantySolar ModuleTypeTechnologyQuantity1 PV - 64PoleWaterialWind loadWarrantyBatteryTypeI		Programmable						
Solar ModuleTypeTechnologyQuantity1 PV - 64PoleMaterialWind loadWarrantyBatteryTypeI		Optional						
TypeTechnologyQuantity1 PV - 64PoleMaterialWind loadWarrantyBatteryType	5 years							
Technology Quantity 1 PV - 64 Pole Material Wind load Warranty Battery Type								
Quantity1 PV - 64PoleMaterialWind loadWarrantyBatteryType	ver	tical, cylindrical (Agamine	e's proprietary solar mod	lule)				
Pole Material Wind load Warranty Battery Type	Monocrystalline silicon, efficiency > 24%							
Material Wind load Warranty Battery Type	cells	2 PV - 128 cells	2 PV - 128 cells	4 PV - 256 cells				
Wind load Warranty Battery Type								
Warranty Battery Type	Steel hot-dip galvanized with powder coating							
Battery Type	45 m/s (162 km/h); higher loads optional							
Туре	20 years anti-corrosion C5m							
Lifetime	Lithium LiFePO4, High temperature (65°C)							
	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 insuffi	cient energy from sun					
Charge Controller Input	110 V / 220 V; 47 Hz – 63 Hz; 95% Efficiency							
Options								
Camera	i	any POE camera possible;	Axis 1035 recommende					
Communication	Remote communication 4G/GPRS or ZigBee/Lora Wan							
Protection and Security								
		66 Protection; IK09						
Glass cover for	IP (PV unit to protect against	t sand abrasion					
		se polarity protection						
	LED and	pattery voltage cut-off						
Se	LED and Rever		n					

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