

# UP1

All-in-Two Solar Street Light

Sol<sup>®</sup>  
by Sunna Design<sup>®</sup>



NO BLACKOUT  
FEATURE



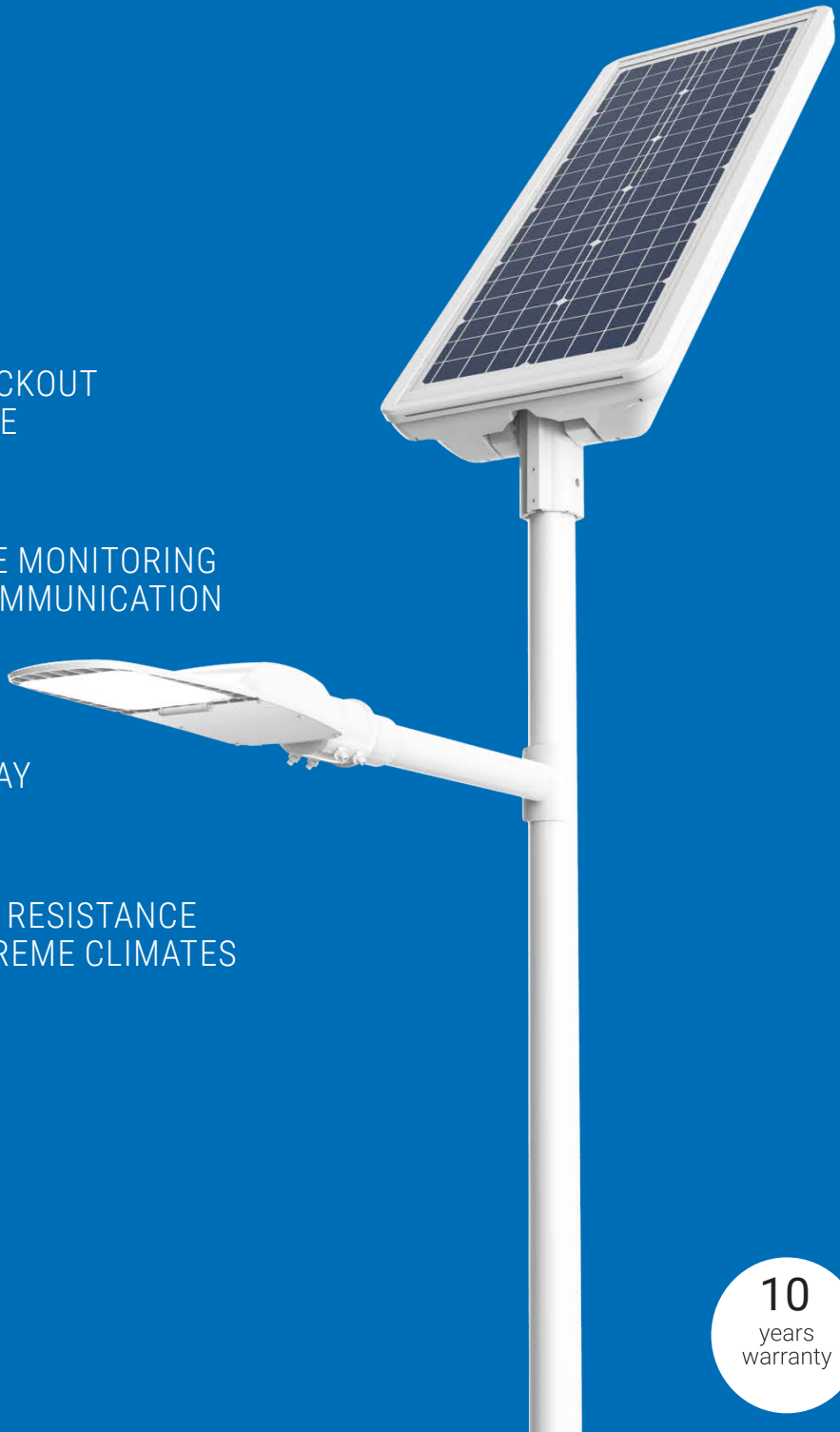
REMOTE MONITORING  
AND COMMUNICATION



PLUG  
AND PLAY



UNIQUE RESISTANCE  
TO EXTREME CLIMATES



10  
years  
warranty

[solarlighting.com](http://solarlighting.com)

# UP1, THE SMARTEST ALL-IN-TWO SOLAR STREET LIGHT

The UP® series is a unique all-in-two solar light that delivers unrivalled performances in every environment, thanks to its high density NiMH battery technology and patented energy management system (EMS) that ensure optimal efficiency throughout the year. Because you may not always have the choice of the fixture you need to use in your project, Sol by Sunna Design has created a solar light that is compatible with many fixtures from Tier-1 US and European lighting manufacturers, already approved by Municipalities and Departments of Transports around the world. Combined with its customizable operating profile, the UP® series split fixture gives us all the flexibility that we need to provide you with the light distribution and color temperature that will be the most appropriate for your project.



## ANTI BIRD SPIKES

This optional item will help you keep your solar panels clean to maximize their efficiency.

## TILTED SOLAR PANELS

High efficiency frameless PV panels that prevent dust accumulation. Can be tilted up to 50° to maximize the amount of solar energy it gathers.

## REMOTE MONITORING

Lights that tell you when and where they need attention.





## AEROSPACE-GRADE BATTERY TECHNOLOGY

High Density NiMH battery offering 12 years lifespan in real-life conditions of use (as per IEC 61427 standard)

## STATE OF THE ART LIGHTING FIXTURES

We only work with the best lighting fixtures manufacturers to ensure you'll be satisfied with the performance of your solar light. The fixtures can be equipped with a motion sensor.

## SUNNAPP™, your mobile companion

-  Installation and commissioning support
-  Lighting profiles management
-  Data log and performances monitoring
-  Registration and mapping of installed devices



## SMART LIGHTING MANAGEMENT

With patented built in intelligence, our lights gather weather data from the previous few days while constantly monitoring the amount of energy available in the battery. It automatically combines this knowledge to regulate light flow and avoid any interruption in lighting service

## SUNNA CLOUD: REMOTE MONITORING

Our cloud-based supervision platform allows you to monitor the status of your lights from any device, anywhere. (Optional)

# SPECIFICATIONS

## LIGHTING

Efficiency	Up to 164 lm/W
Color temperature	3000K, 4000K & 5700K
Lifespan	50 000 hours (12 years)
Max power	Up to 20W*
Nominal power	10W
Motion sensor	Optional

\*autonomy will depend on lighting power

## BATTERY

Technology	NiMH high temperature Nickel Metal Hydride
Voltage	12V
Autonomy	Up to 3 days
Lifespan	12 years

## SOLAR PANELS

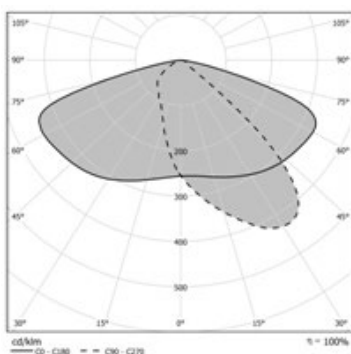
Technology	Mono-crystalline photovoltaic panels
Power	50 Wp
Lifespan	25 years

## GENERAL

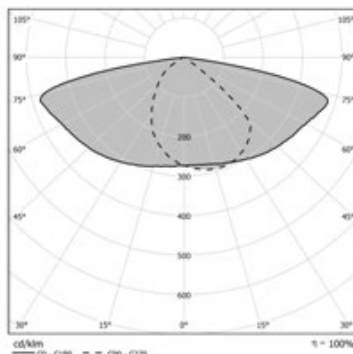
Dimensions	1000 x 375 x 105 mm
Mounting	Top or side mounting, Ø60 mm
Weight	12kg (27 lbs) without the pole
Protection	IP65
Operating temperature	-40°C to +70°C (-40°F to +158°F)
Connectivity	Bluetooth
Remote monitoring	Optional

## LIGHT DISTRIBUTION

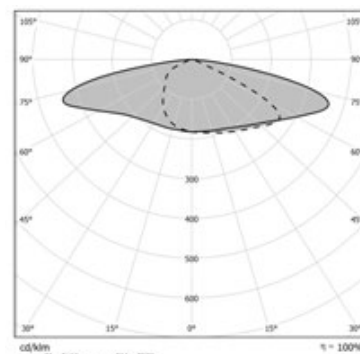
NARROW ROAD



MEDIUM ROAD



AREA WIDE ROAD



## AVAILABLE STANDARD COLORS



RAL 9010



RAL 8019



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