



**SUNMASTER**

# SOLAR STREET LIGHT

## SMART LEAF



### An ideal solution for:

- Business Centers
- Boardwalks
- Parks



**Environmental  
Sensors**



**Remote  
Management  
System**



**Easy Installation  
& Maintenance**



**Smart Sensors**



**High Quality  
Lithium Battery**



**Powered By  
The Sun**

## Technical parameter

Model	SMFS-30W	SMFS-50W	SMFS-70W	SMFS-100W	SMFS-120W	SMFS-150W
LED light power	30W	50W	70W	100W	120W	150W
Flexible Solar Panel	60W 18V	100W 18V	150W 36V	250W 36V	280W 36V	300W 36V
Motion sensor	Selectable					
Mounting	4-5m	6-7m	7-8m	8-9m	9-10m	9-11m
Working temp	- 20 C ~+75 C					
Battery power	12.8V 36Ah	12.8V 60Ah	15.6V 42Ah	25.6V 60Ah	25.6V 72Ah	25.6V 90Ah
Charging time	4-6hrs depends on local solar radiation					
Lighting time	12-14hours/night,3-5days back up					

## How does it work?

### 1 Embedded solar panel

Solar panels transform solar energy into electrical energy during the day. They are embedded in our solutions making them theft proof. An anti-dust and self cleaning coating protects them against dust accumulation.

### 2 Innovative lithium batteries

The battery stores the electric energy produced during the day and powers the LED module at night.

### 3 An intelligent electronic board: solar core

Our battery management system (BMS) has a patented algorithm to precisely manage energy collection and use to preserve the battery during its 12 year life time. Our BMS is also equipped with an incorporated Bluetooth function .

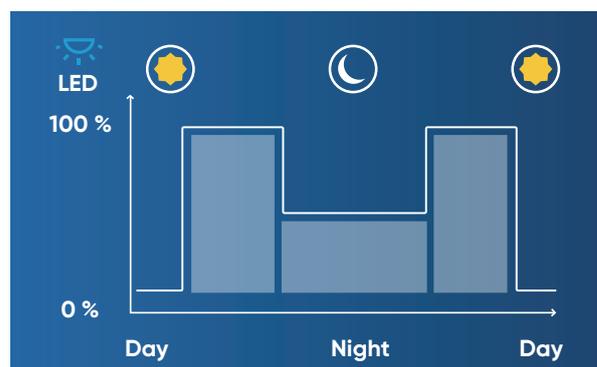
### 4 High power led module

SunMaster a LED modules are powerful, with the best Lumen/Watt ratio 180lm/W

### 5 Intelligent lighting profile

The SunMaster core controls the LED modules using a smart lighting profile to avoid blackouts during the night. Nights are divided into 3 phases during which lighting levels will adjust depending on the battery charge.

Thanks to dynamic and smart energy management, our solutions will work all year long and in any weather condition.



## Expertise

SunMaster Design has an inhouse lighting design and technical team that will assist you to choose the right solutions for your project. To ensure full customer satisfaction, our approach is:



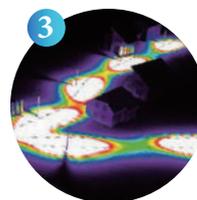
#### 1 Listen to your needs

Lead assessment  
Tender requirements



#### 2 Solar radiation analysis

Calculation of lighting  
efficiency



#### 3 Lighting design

Comply with safety  
requirements and standards



#### 4 Suggestions and quotes

Remote or on site project  
follow up

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