

CASCA®

YOUR RELIABLE PARTNER FOR GREEN POWER

Solar LED Street Light

BP
Series



Solar LED Street Light 80w



Solar LED Street lights are an efficient solution to provide lighting without the need for connecting utility electricity.

Every lights are an independent integrated solar lighting system, it works automatically and no need of electric wires for installation.

It integrates most advantages of the existing outdoor solar lights, in order to bring you a unique value in the whole commercial solar lighting market.



Without Wiring



IP65 Waterproof Rating



Modular Design

MPPT Solar Controller

Adjustable Mounting Angle

The bracket with adjustable design , you can install as the sunlight direction for fully charging.

Sturdy and Anti-theft Design

Two steps aluminum surface treatment – anodizing and powered coating. It is strong to stand in extremely environment. Metal mounting support makes it sturdy.

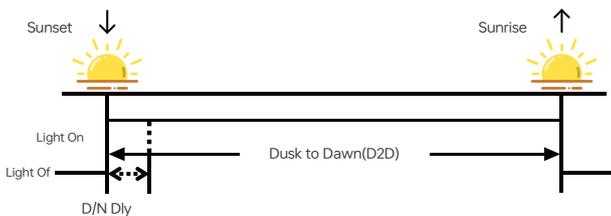
The bolts takes use of anti-theft design for safety.

Extendable Battery Module (Lithium Battery)

The battery have a super high cooling structure. You can add battery module to meet different requirements of back up time, meanwhile the battery is very easy to install and maintenance.

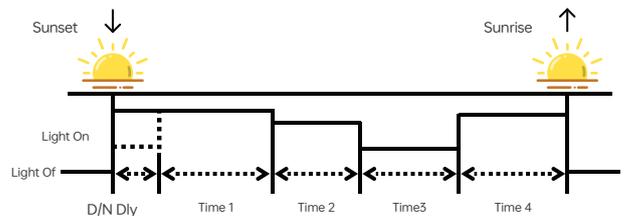
Dusk to Dawn Mode

The solar lamp will automatically turn on from dusk to dawn.
The light will keep constant brightness in a set power in the period.
*D/N Dly: Day/Night open load delay time. (5s ,Can customize)



Four-Stage Night Mode

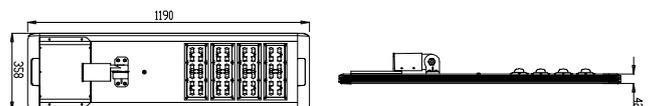
The lamps lighting divide into 4 stage, each stage time and dim can be setting according to demands. With diming setting, it is an efficient way to save energy, and keep the lamp working in best power and time. Default lighting mode can be set for 4stages from factory.



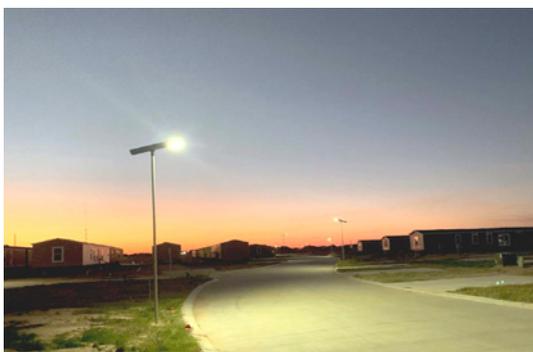
Working Mode (Dusk to Dawn)

Stage	Stage1	Stage2
Time	5H	7H
Outputs	100%	25%

Dimensions



Model	Mars CA-80BP	
Solar Panel		
Mono-crystalline Tempered Glass Solar Panel	54W	
Led		
SMD 3030 Up To	48pcs > 50000H	
LED Module	4	
CREE LED Emitter Output (Max on peak)	80W	
Efficiency	160 lm/W	
CREE LED Illumination Color	<input type="checkbox"/> 6000K (Optional) <input checked="" type="checkbox"/> 4000K(Default)	
Battery		
LifePO4 Battery Pack	403.2WH	
Charging Time	6-8hrs by bright sunshine 1000W/m ²	
Other information		
Product Material	Aluminum Alloy High Quality ABS + PC	
Operation Temperature	-25°C ~ 65°C	
Lighting Time	3nights after fully charged	
Working Mode	6H Full bright+ 25% 6H PIR	
Intelligent Power Management	Yes	
Mounting Adaptor	Inner diameter 60mm , Adjustable	
Pole Height / Distance	6-8M/18-24M	
Aux Solar Panel / DC Adapter	Optional, / ≤5A	
Light Size (L x W)	1190*328 mm	
IP / IK	65 / 08	
Certificate	CE ROHS FCC ISO9001:2015	
Warranty	2years	



* Specifications included in this datasheet are subject to change without notice. CASCA reserves the right of final interpretation.

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CONTACT

 Email: sales@cascaess.com

 Web: www.cascaess.com