

BSSL Split Solar Street Light

Overview

BSSL is a simplest solar street light which integrated by high efficient PV module, rechargeable battery and LED fitting and smart controller. it offer total freedom from electrical 'mains power' without request for trenching cabling or expensive label costing. Not only our solar powered light are clean energy , Eco- friendly and ZERO running costs., but also uncontrolled to grid power fluctuations and blackouts, ensuring perfect performance and continuity of service & safety all year round.

Application

BSSL is a simplest solar street light solution to apply for urban roadway, public communities, parkland, plant, suburb, countryside path as well as commercial and municipal illumination purpose.



REMOTE
SETTING



MICROWAVE
SENSOR



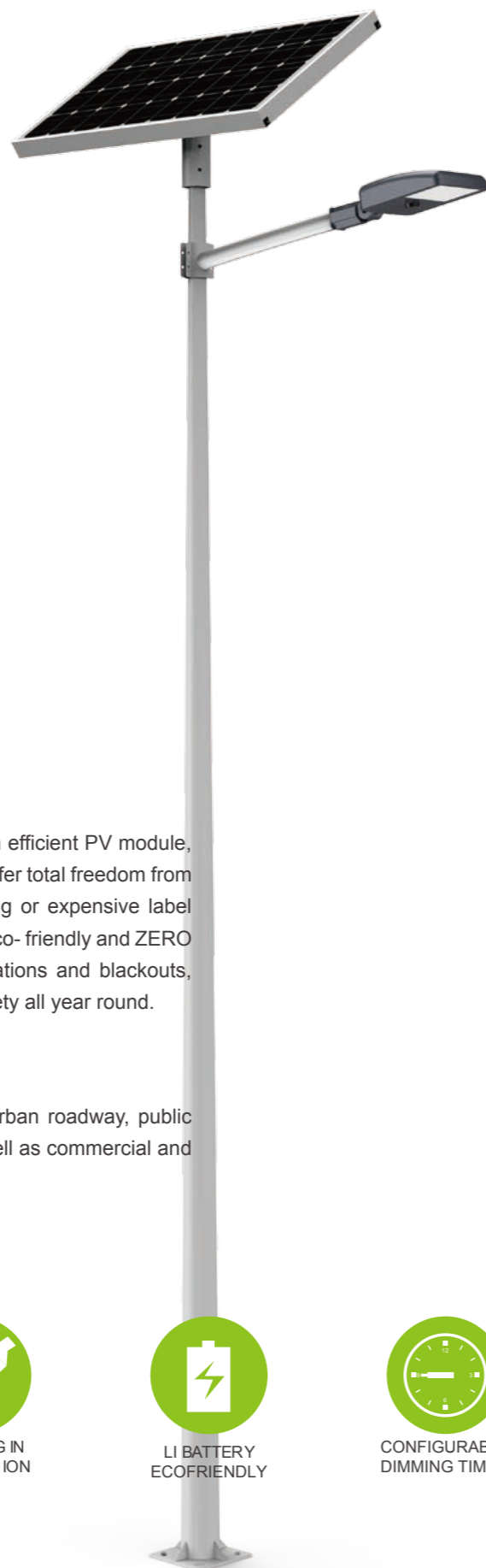
MC4 PLUG IN
CONNECTION



LI BATTERY
ECOFRIENDLY



CONFIGURABLE
DIMMING TIMER



Features & benefits

● INTEGRATED DESIGN & STRUCTURE

Battery, controller and radar sensor are integrated into one fitting. It makes easy installation and maintenance.

● MICROWAVE MOTION SENSOR

Greater area can be captured movable objects by radar detection. Its not affected by temperature changes or the level of objects' background thermal radiation.

● ADJUSTABLE MOUNTING BRACKET

Adjustable mounting bracket helps the solar panel positioned a best angle to fully absorb sunshine in different longitude and latitude areas.

● PROGRAMMABLE

Built-in smart MPPT solar controller, adjustable brightness and time setting of light is managed by remote control.

● EXTERNAL SOLAR PANEL

Solar panel separated from light allows to increase panel power for enduring working hours as client requirement.

● QUICK CONNECTION

Prewired MC4 male and female connect to PV panels directly, it ensures reliable electrical connection and tough performance in outdoor for diverse condition.

Technical Specification

Model	BSSL-H520LI	BSSL-H530LI	BSSL-H540LI	BSSL-H560LI
Power	20W	30W	40W	60W
LED chip	Philips Lumiled 3030, ≥ 50,000 hours			
Luminous Flux	≥2600Lm	≥3900Lm	≥5200Lm	≥7200Lm
CCT	4000K/5500K			
Beam angle	85°x135°			
Battery	Li-ion battery LG 18650			
Capacity	26Ah/12V	36.4Ah/12V	46.8Ah/12V	65Ah/12V
Lifespan	more than 500 cycles, 3 years warranty			
Discharge time	≥ 12 hours autonomy at 100% power			
PV module	Monocrystalline, 10 years warranty			
PV power	50Wp/18V	60Wp/18V	100Wp/18V	120Wp/18V
Lifespan	25 years warranty			
Height of pole	4-10 meter proposed			
Default setting	100% brightness in 6 hours, 50% dimming in next 6 hours			
Working Temperature	-20 C ~60 C			