



Brings light to areas with problem in grid, No trenching for cabling required, Safety, long life, zero electricity, maintenance free.

SmartBright Solar All-in-two Street Light

External high efficiency polysilicon solar panel Die-casting aluminum housing, Professional lighting distribution, 2000, 3000, 4000lumens versions available, Plugplay connector between luminaire and PV panel Inbuilt LiFePO4 battery and MPPT controller.

Benefits

- · Easy installation
- · Wide range of outdoor application
- · Suitable for areas where electrical connections are difficult to maintain
- · 100% Green solar power energy
- \cdot No fossil energy consumption

Features

- · High luminous efficacy up-to 180lm/watt to maximize battery performance
- · MPPT charge controller for maximum efficiency
- · Factory set dimming profile for run time maximization

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Application

• Streets, parks & plazas, parking, pedestrian pathway, shopping centers, corporate campuses, industries, etc.

Warnings and Safety

- Install the luminaire in a sunny place that is not shaded by trees, buildings and walls, then the solar panel can receive the maximum sunlight for charging the battery.
- · Charge the product under sunlight for at least 8 hours before first time using.
- This luminaire does not need any external electrical connection.
- It works 100% on solar energy.

Versions



BRP216 G2 SOLAR

Dimensional drawing



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Correlated Color Temperature (Nom)	4000 K	
Color rendering index (CRI)	70	
Operating and Electrical		
Battery type	Lithium Ferro	
	Phosphate	
Battery voltage	3.2 V	
Grid connection type	Off grid	
Panel type	Poly crystalline	
Panel voltage	16 V	
Controls and Dimming		
Dimmable	No	
Configurability	Not configurable	
Solar dimming profile	Pre-configured	
Mechanical and Housing		
Battery location	In built	
Housing Color	Gray	
Ingress protection code	IP65	
Overall height	96 mm	
Overall length	583 mm	
Overall width	218 mm	
Approval and Application		
Ambient temperature range	0 °C to 50 °C	
Application Conditions		
Ambient temperature range for	0 °C to 50 °C	
charging		
Ambient temperature range for	-10 °C to 60 °C	

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage
911401845102	BRP216 LED20/740 G2 Solar	50 Ah	20 W
911401845202	BRP216 LED30/740 G2 Solar	75 Ah	40 W
911401845302	BRP216 LED40/740 G2 Solar	100 Ah	40 W



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