



**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, Plug-play 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
- 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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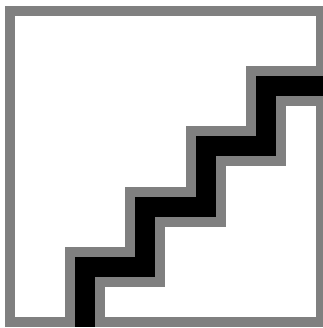
Application

- 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

SmartBright Solar All-in-two Street Light

| Light Technical | |
|--|-------------------------|
| 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 charging | 0 °C to 50 °C |
| Ambient temperature range for discharging (when light is on) | -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 |

