



# The most affordable solar street light

## Smart Bright Solar

SmartBright Solar is a sleek elegant & finless design innovative streetlight with best in class energy efficiency, inbuilt MPPT charge controller, High efficacy driver and LED platform to ensure higher energy saving and reliable operation over committed lifetime. SmartBright Solar Luminaire is a high pressure die-cast IK 08 rated housing, ensuring high strength and safety on the pole. The solid die-cast aluminum also has excellent heat dissipation, extending the life of the components inside. The multiple lumen packs and optics makes it optimum for the B2 category of Roads.

### Benefits

- Brings light to areas without access to electric grid
- Local Bluetooth based configuration and health monitoring.
- Sturdy construction for long life
- Uniform lighting
- Long-lasting performance
- Saves energy
- Environment friendly

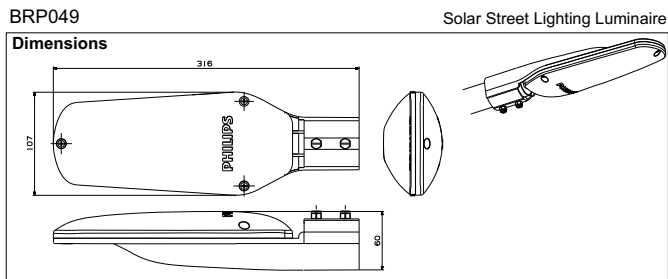
### Features

- Inbuilt MPPT charge controller
- IP65 certified
- IK08 classification
- Pressure die-cast aluminum housing for sturdiness and excellent thermal management
- Compatible with multiple battery types ( LiFePO4, LMLA GEL)
- Life class of 50k hrs@L70B50
- Finless design with superior aesthetic looks

## Application

- Road and Street
- Residential
- Security Lighting
- Parks
- Gated Communities

## Dimensional drawing



Light Technical	
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>70
Operating and Electrical	
Cable connection kit	Included
Charge controller type	MPPT
Temperature	
Ambient temperature range	0 to +35 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Overall height	60 mm
Overall length	316 mm
Overall width	107 mm
Approval and Application	
Ingress protection code	IP65
Application Conditions	
Battery location	Outside Luminaire
Grid connection type	Off grid

## Operating and Electrical

Order Code	Full Product Name	Charge controller wattage
919515811873	BRP049 LED 09 CW SY60 S2 12V Solar Equip	7 W
919515812155	BRP049 LED 12 CW MR S2 12V Solar Equip	10 W
919515812158	BRP049 LED 19 CW MR S2 12V Solar Equip	17 W
919515812159	BRP049 LED 21 CW MR S2 12V Solar Equip	19 W
919515812161	BRP049 LED 18 CW MR S2 12V DIM Solar Equ	15 W
919515812164	BRP049 LED 09 CW MR S2 12V GEL Solar Equ	7 W
919515812165	BRP049 LED 12 CW MR S2 12V GEL Solar Equ	10 W
919515812166	BRP049 LED 15 CW MR S2 12V GEL Solar Equ	12 W
919515812167	BRP049 LED 18 CW MR S2 12V GEL Solar Equ	15 W
919515812168	BRP049 LED 19 CW MR S2 12V GEL Solar Equ	17 W
919515812169	BRP049 LED 21 CW MR S2 12V GEL Solar Eq	19 W
919515812171	BRP049 LED 18 CW MR S2 12V GEL DIM Sola	15 W
919515812172	BRP049 LED 19 CW MR S2 12V GEL DIM Solar	17 W
919515812173	BRP049 LED 21 CW MR S2 12V GEL DIM Sola	19 W
919515812175	BRP049 LED 12 CW MR S2 12V LFP Solar Equ	10 W
919515812176	BRP049 LED 15 CW MR S2 12V LFP Solar Equ	12 W
919515812177	BRP049 LED 18 CW MR S2 12V LFP Solar Eq	15 W
919515812178	BRP049 LED 19 CW MR S2 12V LFP Solar Eq	17 W
919515812179	BRP049 LED 21 CW MR S2 12V LFP Solar Eq	19 W
919515812180	BRP049 LED15 CW MR S2 12V LFP DIM Solar	12 W
919515812181	BRP049 LED 18 CW MR S2 12V LFP DIM Solar	15 W
919515812182	BRP049 LED 19 CW MR S2 12V LFP DIM Solar	17 W
919515812184	BRP408 LED HP/CW 240V PSU GR 70W	19 W
919615810961	BRP049 P LED 09 CW SY60 S2 12V Solar Equ	7 W
919615811139	BRP049 P 15 CW MR S2 LFP BLE Solar P4000	12 W

## Controls and Dimming

Order Code	Full Product Name	Configurability
919515811873	BRP049 LED 09 CW SY60 S2 12V Solar Equip	Factory Configurable
919515812155	BRP049 LED 12 CW MR S2 12V Solar Equip	Factory Configurable
919515812158	BRP049 LED 19 CW MR S2 12V Solar Equip	Factory Configurable
919515812159	BRP049 LED 21 CW MR S2 12V Solar Equip	Factory Configurable
919515812161	BRP049 LED 18 CW MR S2 12V DIM Solar Equ	Factory Configurable
919515812164	BRP049 LED 09 CW MR S2 12V GEL Solar Equ	Factory Configurable
919515812165	BRP049 LED 12 CW MR S2 12V GEL Solar Equ	Factory Configurable
919515812166	BRP049 LED 15 CW MR S2 12V GEL Solar Equ	Factory Configurable
919515812167	BRP049 LED 18 CW MR S2 12V GEL Solar Equ	Factory Configurable
919515812168	BRP049 LED 19 CW MR S2 12V GEL Solar Equ	Factory Configurable
919515812169	BRP049 LED 21 CW MR S2 12V GEL Solar Eq	Factory Configurable
919515812171	BRP049 LED 18 CW MR S2 12V GEL DIM Sola	Factory Configurable
919515812172	BRP049 LED 19 CW MR S2 12V GEL DIM Solar	Factory Configurable

## Application Conditions

Order Code	Full Product Name	Solar dimming profile
919515811873	BRP049 LED 09 CW SY60 S2 12V Solar Equip	Dim to 50% after 6 Hours
919515812155	BRP049 LED 12 CW MR S2 12V Solar Equip	Dim to 50% after 6 Hours
919515812158	BRP049 LED 19 CW MR S2 12V Solar Equip	Dim to 50% after 6 Hours
919515812159	BRP049 LED 21 CW MR S2 12V Solar Equip	Dim to 50% after 6 Hours
919515812161	BRP049 LED 18 CW MR S2 12V DIM Solar Equ	Dim to 50% after 6 Hours
919515812164	BRP049 LED 09 CW MR S2 12V GEL Solar Equ	Dim to 50% after 6 Hours
919515812165	BRP049 LED 12 CW MR S2 12V GEL Solar Equ	Dim to 50% after 6 Hours
919515812166	BRP049 LED 15 CW MR S2 12V GEL Solar Equ	Dim to 50% after 6 Hours
919515812167	BRP049 LED 18 CW MR S2 12V GEL Solar Equ	Dim to 50% after 6 Hours
919515812168	BRP049 LED 19 CW MR S2 12V GEL Solar Equ	Dim to 50% after 6 Hours
919515812169	BRP049 LED 21 CW MR S2 12V GEL Solar Eq	Dim to 50% after 6 Hours
919515812171	BRP049 LED 18 CW MR S2 12V GEL DIM Sola	Dim to 50% after 6 Hours
919515812172	BRP049 LED 19 CW MR S2 12V GEL DIM Solar	Dim to 50% after 6 Hours

Order Code	Full Product Name	Configurability
919515812173	BRP049 LED 21 CW MR S2 12V GEL DIM Sola	Factory Configurable
919515812175	BRP049 LED 12 CW MR S2 12V LFP Solar Equ	Factory Configurable
919515812176	BRP049 LED 15 CW MR S2 12V LFP Solar Equ	Factory Configurable
919515812177	BRP049 LED 18 CW MR S2 12V LFP Solar Eq	Factory Configurable
919515812178	BRP049 LED 19 CW MR S2 12V LFP Solar Eq	Factory Configurable
919515812179	BRP049 LED 21 CW MR S2 12V LFP Solar Eq	Factory Configurable
919515812180	BRP049 LED15 CW MR S2 12V LFP DIM Solar	Factory Configurable
919515812181	BRP049 LED 18 CW MR S2 12V LFP DIM Solar	Factory Configurable
919515812182	BRP049 LED 19 CW MR S2 12V LFP DIM Solar	Factory Configurable
919515812184	BRP408 LED HP/CW 240V PSU GR 70W	Factory Configurable
919615810961	BRP049 P LED 09 CW SY60 S2 12V Solar Equ	Factory Configurable
919615811139	BRP049 P 15 CW MR S2 LFP BLE Solar P4000	Configurable

Order Code	Full Product Name	Solar dimming profile
919515812173	BRP049 LED 21 CW MR S2 12V GEL DIM Sola	Dim to 50% after 6 Hours
919515812175	BRP049 LED 12 CW MR S2 12V LFP Solar Equ	Dim to 50% after 6 Hours
919515812176	BRP049 LED 15 CW MR S2 12V LFP Solar Equ	Dim to 50% after 6 Hours
919515812177	BRP049 LED 18 CW MR S2 12V LFP Solar Eq	Dim to 50% after 6 Hours
919515812178	BRP049 LED 19 CW MR S2 12V LFP Solar Eq	Dim to 50% after 6 Hours
919515812179	BRP049 LED 21 CW MR S2 12V LFP Solar Eq	Dim to 50% after 6 Hours
919515812180	BRP049 LED15 CW MR S2 12V LFP DIM Solar	Dim to 50% after 6 Hours
919515812181	BRP049 LED 18 CW MR S2 12V LFP DIM Solar	Dim to 50% after 6 Hours
919515812182	BRP049 LED 19 CW MR S2 12V LFP DIM Solar	Dim to 50% after 6 Hours
919515812184	BRP408 LED HP/CW 240V PSU GR 70W	Configurable through mobile app
919615810961	BRP049 P LED 09 CW SY60 S2 12V Solar Equ	Dim to 50% after 6 Hours
919615811139	BRP049 P 15 CW MR S2 LFP BLE Solar P4000	Configurable through mobile app,

