



All-in-one Solar street light range up-to 18000 Lumens. Offgrid and Hybrid options.

SmartBright All-in-one Solar Street Light

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Independently tilt-able LED source and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun. Microwave based motion sensor for optimizing battery autonomy.

Benefits

- Brings light to areas without access to electric grid
- Saves energy
- Preserves landscape as no trenching for cabling required
- Environment friendly
- Sturdy construction for long life

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Features

- High luminous efficacy up-to 185lm/watt to maximize battery performance
- Replaceable Lithium Ferro Phosphate battery for long life and hassle free operations.
- MPPT charge controller for maximum efficiency
- Independently tilt-able LED module and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun
- Factory set dimming profile along with microwave sensor for run time maximization.
- Offgrid and Hybrid types are available. HY in the product description means Hybrid version that can be connected with AC power.
- 500hours salt spray testing pass

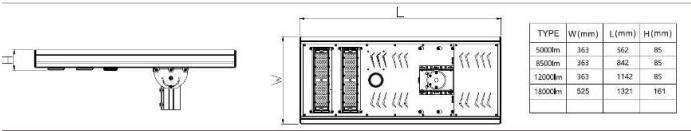
Application

- Class A & B roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centers, corporate campuses, plazas

Versions



Dimensional drawing



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Light Technical	
Correlated Color Temperature (Nom)	5700 K
Color rendering index (CRI)	>70
Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	LiFePO4
Charge controller type	MPPT
Grid connection type	Off grid
Panel type	Mono crystalline
Controls and Dimming	
Dimmable	Yes
Autonomy	24 hour(s)
Configurability	Configurable
Solar dimming profile	First 2 Hrs – On motion : 100%, without motion :30% ; Next 3 Hrs – On motion : 60%, without motion :20% ; Next 6 Hrs On motion : 30%, without motion :10% ; Rest of the Night: On motion : 50%, without motion :30%
Mechanical and Housing	
Battery location	Inbuilt
Housing Color	RAL7040
Ingress protection code	IP65
Approval and Application	
Ambient temperature range	0 to +50 °C

Operating and Electrical

Order Code	Full Product Name	Battery ampere	Panel peak		
		hour	Battery voltage	wattage	Panel voltage
911401834102	BRP110 LED120/757 G2	72 Ah	6.4 V	80 W	13 V
911401834202	BRP110 LED180/757 G2	30 Ah	25.6 V	125 W	34.5 V
911401833902	BRP110 LED50/757 G2	60 Ah	3.2 V	35 W	12 V
911401834002	BRP110 LED85/757 G2	54 Ah	6.4 V	55 W	14 V

Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width	Order Code	Full Product Name	Overall height	Overall length	Overall width
911401834102	BRP110 LED120/757 G2	85 mm	1,142 mm	363 mm	911401833902	BRP110 LED50/757 G2	85 mm	562 mm	363 mm
911401834202	BRP110 LED180/757 G2	161 mm	1,320 mm	525 mm	911401834002	BRP110 LED85/757 G2	85 mm	842 mm	363 mm

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