



All-in-one Solar street light range up-to 12000 Lumen.

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

Features

- High luminous efficacy up-to 150 lm/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 source 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.

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Application

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

Versions



BRP110 G2



BRP110 G2



BRP110 G2

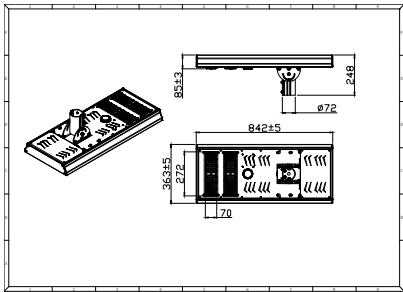
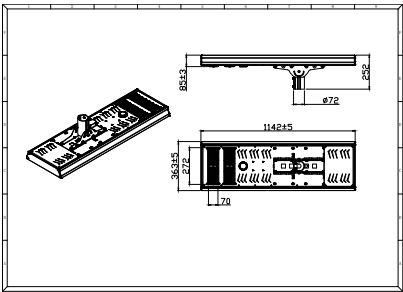


Solar Street Lights



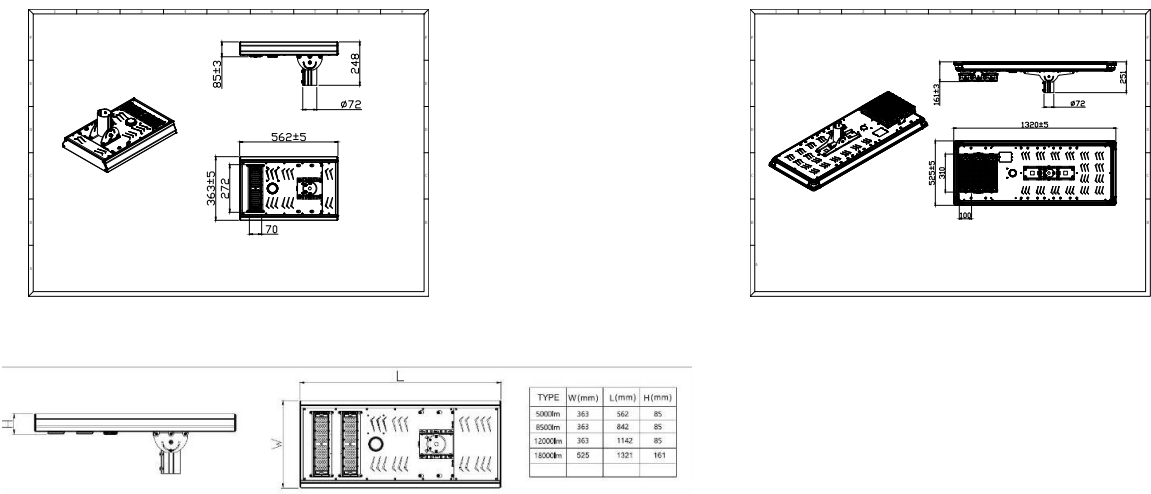
BRP110 G2

Dimensional drawing



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Dimensional drawing



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Light Technical	
Color rendering index (CRI)	>70
Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Charge controller type	MPPT
Panel type	Mono crystalline
Controls and Dimming	
Dimmable	Yes
Configurability	Configurable
Mechanical and Housing	
Housing Color	RAL7040
Approval and Application	
Ingress protection code	IP65
Application Conditions	
Battery location	Inbuilt
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%

Order Code	Full Product Name	Correlated Color Temperature (Nom)
911401834102	BRP110 LED120/757 G2	5700 K
911401834202	BRP110 LED180/757 G2	5700 K
911401878602	BRP110 LED85/757 G2 HY Solar	5700 K
911401879002	BRP110 LED85/740 G2 HY Solar	4000 K
911401879402	BRP110 LED85/730 G2 HY Solar	3000 K
911401833902	BRP110 LED50/757 G2	5700 K
911401878502	BRP110 LED120/757 G2 HY Solar	5700 K
911401878902	BRP110 LED120/740 G2 HY Solar	4000 K
911401879302	BRP110 LED120/730 G2 HY Solar	3000 K
911401878702	BRP110 LED50/757 G2 HY Solar	5700 K
911401879102	BRP110 LED50/740 G2 HY Solar	4000 K
911401879502	BRP110 LED50/730 G2 HY Solar	3000 K
911401878402	BRP110 LED180/757 G2 HY Solar	5700 K
911401878802	BRP110 LED180/740 G2 HY Solar	4000 K
911401879202	BRP110 LED180/730 G2 HY Solar	3000 K
911401834002	BRP110 LED85/757 G2	5700 K

Operating and Electrical (1/2)

		Battery ampere hour	Battery voltage	Cable connection kit	Charge controller wattage
Order Code	Full Product Name				
911401834102	BRP110 LED120/757 G2	72 Ah	6.4 V	-	-
911401834202	BRP110 LED180/757 G2	30 Ah	25.6 V	-	-
911401878602	BRP110 LED85/757 G2 HY Solar	18 Ah	12 V	Excluded	42 W
911401879002	BRP110 LED85/740 G2 HY Solar	18 Ah	12 V	Excluded	42 W

		Battery ampere hour	Battery voltage	Cable connection kit	Charge controller wattage
Order Code	Full Product Name				
911401879402	BRP110 LED85/730 G2 HY Solar	18 Ah	12 V	Excluded	42 W
911401833902	BRP110 LED50/757 G2	60 Ah	3.2 V	-	-
911401878502	BRP110 LED120/757 G2 HY Solar	24 Ah	12 V	Excluded	65 W

SmartBright All-in-one Solar Street Light

Order Code	Full Product Name	Battery ampere hour	Battery voltage	Cable connection kit	Charge controller wattage
911401878902	BRP110 LED120/740 G2 HY Solar	24 Ah	12 V	Excluded	65 W
911401879302	BRP110 LED120/730 G2 HY Solar	24 Ah	12 V	Excluded	65 W
911401878702	BRP110 LED50/757 G2 HY Solar	12 Ah	12 V	Excluded	27 W
911401879102	BRP110 LED50/740 G2 HY Solar	12 Ah	12 V	Excluded	27 W
911401879502	BRP110 LED50/730 G2 HY Solar	12 Ah	12 V	Excluded	27 W

Order Code	Full Product Name	Battery ampere hour	Battery voltage	Cable connection kit	Charge controller wattage
911401878402	BRP110 LED180/757 G2 HY Solar	24 Ah	25.6 V	Excluded	92 W
911401878802	BRP110 LED180/740 G2 HY Solar	24 Ah	25.6 V	Excluded	92 W
911401879202	BRP110 LED180/730 G2 HY Solar	24 Ah	25.6 V	Excluded	92 W
911401834002	BRP110 LED85/757 G2	54 Ah	6.4 V	-	-

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel peak wattage	Panel voltage
911401834102	BRP110 LED120/757 G2	80 W	13 V
911401834202	BRP110 LED180/757 G2	125 W	34.5 V
911401878602	BRP110 LED85/757 G2 HY Solar	55 W	18 V
911401879002	BRP110 LED85/740 G2 HY Solar	55 W	18 V
911401879402	BRP110 LED85/730 G2 HY Solar	55 W	18 V
911401833902	BRP110 LED50/757 G2	35 W	12 V
911401878502	BRP110 LED120/757 G2 HY Solar	80 W	18 V
911401878902	BRP110 LED120/740 G2 HY Solar	80 W	18 V

Order Code	Full Product Name	Panel peak wattage	Panel voltage
911401879302	BRP110 LED120/730 G2 HY Solar	80 W	18 V
911401878702	BRP110 LED50/757 G2 HY Solar	35 W	18 V
911401879102	BRP110 LED50/740 G2 HY Solar	35 W	18 V
911401879502	BRP110 LED50/730 G2 HY Solar	35 W	18 V
911401878402	BRP110 LED180/757 G2 HY Solar	125 W	34.5 V
911401878802	BRP110 LED180/740 G2 HY Solar	125 W	34.5 V
911401879202	BRP110 LED180/730 G2 HY Solar	125 W	34.5 V
911401834002	BRP110 LED85/757 G2	55 W	13 V

Temperature

Order Code	Full Product Name	Ambient temperature range
911401834102	BRP110 LED120/757 G2	0 to +50 °C
911401834202	BRP110 LED180/757 G2	0 to +50 °C
911401878602	BRP110 LED85/757 G2 HY Solar	-10 °C to 60 °C
911401879002	BRP110 LED85/740 G2 HY Solar	-10 °C to 60 °C
911401879402	BRP110 LED85/730 G2 HY Solar	-10 °C to 60 °C
911401833902	BRP110 LED50/757 G2	0 to +50 °C
911401878502	BRP110 LED120/757 G2 HY Solar	-10 °C to 60 °C
911401878902	BRP110 LED120/740 G2 HY Solar	-10 °C to 60 °C

Order Code	Full Product Name	Ambient temperature range
911401879302	BRP110 LED120/730 G2 HY Solar	-10 °C to 60 °C
911401878702	BRP110 LED50/757 G2 HY Solar	-10 °C to 60 °C
911401879102	BRP110 LED50/740 G2 HY Solar	-10 °C to 60 °C
911401879502	BRP110 LED50/730 G2 HY Solar	-10 °C to 60 °C
911401878402	BRP110 LED180/757 G2 HY Solar	-10 °C to 60 °C
911401878802	BRP110 LED180/740 G2 HY Solar	-10 °C to 60 °C
911401879202	BRP110 LED180/730 G2 HY Solar	-10 °C to 60 °C
911401834002	BRP110 LED85/757 G2	0 to +50 °C

Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401834102	BRP110 LED120/757 G2	85 mm	1,142 mm	363 mm
911401834202	BRP110 LED180/757 G2	161 mm	1,320 mm	525 mm
911401878602	BRP110 LED85/757 G2 HY Solar	86 mm	842 mm	364 mm
911401879002	BRP110 LED85/740 G2 HY Solar	86 mm	842 mm	364 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401879402	BRP110 LED85/730 G2 HY Solar	86 mm	842 mm	364 mm
911401833902	BRP110 LED50/757 G2	85 mm	562 mm	363 mm
911401878502	BRP110 LED120/757 G2 HY Solar	86 mm	1,142 mm	364 mm

SmartBright All-in-one Solar Street Light

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401878902	BRP110 LED120/740 G2 HY Solar	86 mm	1,142 mm	364 mm
911401879302	BRP110 LED120/730 G2 HY Solar	86 mm	1,142 mm	364 mm
911401878702	BRP110 LED50/757 G2 HY Solar	86 mm	562 mm	364 mm
911401879102	BRP110 LED50/740 G2 HY Solar	86 mm	562 mm	364 mm
911401879502	BRP110 LED50/730 G2 HY Solar	86 mm	562 mm	364 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
911401878402	BRP110 LED180/757 G2 HY Solar	160 mm	1,320 mm	525 mm
911401878802	BRP110 LED180/740 G2 HY Solar	160 mm	1,320 mm	525 mm
911401879202	BRP110 LED180/730 G2 HY Solar	160 mm	1,320 mm	525 mm
911401834002	BRP110 LED85/757 G2	85 mm	842 mm	363 mm

Application Conditions

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Grid connection type	Autonomy
911401834102	BRP110 LED120/757 G2	-	-	Off grid	2 hour(s)
911401834202	BRP110 LED180/757 G2	-	-	Off grid	2 hour(s)
911401878602	BRP110 LED85/757 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401879002	BRP110 LED85/740 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401879402	BRP110 LED85/730 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401833902	BRP110 LED50/757 G2	-	-	Off grid	2 hour(s)
911401878502	BRP110 LED120/757 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401878902	BRP110 LED120/740 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)	Grid connection type	Autonomy
911401879302	BRP110 LED120/730 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401878702	BRP110 LED50/757 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401879102	BRP110 LED50/740 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401879502	BRP110 LED50/730 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401878402	BRP110 LED180/757 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401878802	BRP110 LED180/740 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401879202	BRP110 LED180/730 G2 HY Solar	0 °C to 50 °C	-10 °C to 60 °C	Hybrid	-
911401834002	BRP110 LED85/757 G2	-	-	Off grid	2 hour(s)

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