

SunStay - All In One solar street light

SunStay

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Pressure die cast aluminium for sturdiness and long life. Specially designed pole mounting bracket allows different tilt angles, lateral and pole top mounting.

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 of 175 lm/Watt to maximize battery performance
- Replaceable Lithium Ferro Phosphate battery for long life and hassle free operations.
- MPPT charge controller for maximum efficiency
- Pressure die-cast aluminum housing for sturdiness and excellent heat dissipation.
- Specially designed pole mounting bracket with adjustable tilt angles of 0 to 15 degrees, which can also be used in post top & lateral mounting positions
- Factory set dimming profile along with PIR sensor for run time maximization.
- Self diagnostic feature along with battery charging, discharging & cut-off LED Indicators

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Application

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

Versions



SunStay Hybrid



standard shot sunstay

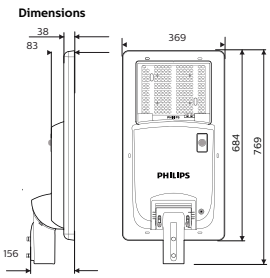


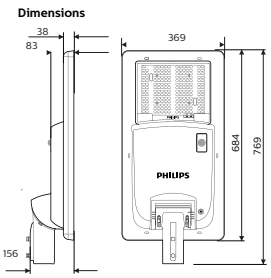
SunStay Hybrid

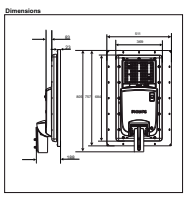


SunStay 4500 Lumen

Dimensional drawing







PHILIPS

Light Technical	
Color rendering index (CRI)	>70
Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Charge controller type	MPPT
Panel type	Mono crystalline
Panel voltage	17 Vmp, 21 Voc V
Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable
Mechanical and Housing	
Battery location	Inside Luminaire
Ingress protection code	IP65
Approval and Application	
Ambient temperature range	0 to +35 °C
Application Conditions	
Ambient temperature range for charging	0 °C to +45 °C
Ambient temperature range for discharging (when light is on)	-20 °C to +35 °C

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	5700 K
919515813982	BRP710 LED45 CW MR HY SOLAR	5700 K
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	5700 K
919515813981	BRP710 LED30 CW MR HY SOLAR	5700 K
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	3000 K

Operating and Electrical (1/2)

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Grid connection type
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	30 Ah	Included	35 W	Hybrid
919515813982	BRP710 LED45 CW MR HY SOLAR	30 Ah	Included	25 W	Hybrid
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	-	-	Off grid

Order Code	Full Product Name	Battery ampere hour	Cable connection kit	Charge controller wattage	Grid connection type
919515813981	BRP710 LED30 CW MR HY SOLAR	20 Ah	Included	17 W	Hybrid
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	30 Ah	-	-	Off grid

Operating and Electrical (2/2)

Order Code	Full Product Name	Panel peak wattage
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	60 W
919515813982	BRP710 LED45 CW MR HY SOLAR	60 W
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	35 W

Order Code	Full Product Name	Panel peak wattage
919515813981	BRP710 LED30 CW MR HY SOLAR	35 W
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	60 W

Controls and Dimming

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Order Code	Full Product Name	Solar dimming profile
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	4hrs 100% + 8 hrs 20%
919515813982	BRP710 LED45 CW MR HY SOLAR	100% Dusk to dawn
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

Order Code	Full Product Name	Solar dimming profile
919515813981	BRP710 LED30 CW MR HY SOLAR	100% Dusk to dawn
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515813979	BRP710 LED60 CW MR HY FDIM20 SOLAR	RAL 7011	188 mm	757 mm	511 mm
919515813982	BRP710 LED45 CW MR HY SOLAR	RAL 7011	188 mm	757 mm	511 mm
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	Gray	156 mm	684 mm	369 mm

Order Code	Full Product Name	Housing Color	Overall height	Overall length	Overall width
919515813981	BRP710 LED30 CW MR HY SOLAR	RAL 7011	156 mm	684 mm	369 mm
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	Gray	188 mm	757 mm	511 mm

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