



SunStay - All In One solar street light

SunStay

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel, charger and PIR sensor 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

SunStay

Application

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

Versions



SunStay 4500 Lumen

Accessories



Ordercode 919615811181

Application Conditions	
Ambient temperature range for charging	0 to +45 °C
Ambient temperature range for discharging (when light is on)	-20 to +35 °C
Ambient temperature range	0 to +35 °C
Battery location	Inside Luminaire
Grid connection type	Off grid
Approval and Application	
Ingress protection code	IP65
Controls and Dimming	
Dimmable	Yes
Configurability	Factory Configurable
Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Charge controller type	MPPT
Panel voltage	17 Vmp, 21 Voc V
Initial Performance (IEC Compliant)	
Init. Color Rendering Index	>70
Mechanical and Housing	
Color	Gray

Application Conditions

Order Code	Full Product Name	Solar dimming profile
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
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)
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812625	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812626	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812629	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812630	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812966	BRP710 LED20 WW MR 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812968	BRP710 LED20 WW MR 12V 35MO PDIM50 Solar	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812978	BRP710 LED20 NW MR 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812980	BRP710 LED20 NW MR 12V 35MO PDIM50 Solar	50% Dusk to dawn, 100% on Motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919615811178	BRP710 LED20 CW Housing KIT Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919615811179	BRP710 LED30 CW Housing KIT Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812627	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	5hrs 100% + 7 hrs 50%
919515812628	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	No Dimming
919515812631	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	5hrs 100% + 7 hrs 50%
919515812632	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	No Dimming
919515812969	BRP710 LED20 WW MR 12V 35MO FDIM50 Solar	5hrs 100% + 7 hrs 50%

Order Code	Full Product Name	Solar dimming profile
919515812981	BRP710 LED20 NW MR 12V 35MO FDIM50 Solar	5hrs 100% + 7 hrs 50%
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	5hrs 100% + 7 hrs 30%
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	5hrs 100% + 7 hrs 30%
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813569	BRP710 LED45 NW MR S1 12V LFP Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515813570	BRP710 LED45 WW MR S1 12V FD30 Solar	5hrs 100% + 7 hrs 30%
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	5hrs 100% + 7 hrs 30%
919615811180	BRP710 LED45 CW Housing KIT Solar	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Panel peak wattage	Panel type	Order Code	Full Product Name	Battery ampere hour	Panel peak wattage	Panel type
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	13.6 Ah	28 W	Poly crystalline	919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	35 W	Mono crystalline
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	35 W	Mono crystalline	919515812978	BRP710 LED20 NW MR 12V LFP Solar	13.6 Ah	28 W	Poly crystalline
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	13.6 Ah	28 W	Poly crystalline	919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	13.6 Ah	28 W	Poly crystalline
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	20 Ah	35 W	Mono crystalline	919515812980	BRP710 LED20 NW MR 12V 35MO PDIM50 Solar	13.6 Ah	35 W	Mono crystalline
919515812625	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	13.6 Ah	28 W	Poly crystalline	919515812982	BRP710 LED20 NW MR 12V 35MO Solar	13.6 Ah	35 W	Mono crystalline
919515812626	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	13.6 Ah	35 W	Mono crystalline	919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	20 Ah	35 W	Mono crystalline
919515812629	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	13.6 Ah	28 W	Poly crystalline	919615811178	BRP710 LED20 CW Housing KIT Solar	13.6 Ah	28 W	Poly crystalline
919515812630	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	13.6 Ah	35 W	Mono crystalline	919615811179	BRP710 LED30 CW Housing KIT Solar	20 Ah	35 W	Mono crystalline
919515812966	BRP710 LED20 WW MR 12V LFP Solar	13.6 Ah	28 W	Poly crystalline	919515812627	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	13.6 Ah	35 W	Mono crystalline
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	13.6 Ah	28 W	Poly crystalline	919515812628	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	13.6 Ah	35 W	Mono crystalline
919515812968	BRP710 LED20 WW MR 12V 35MO PDIM50 Solar	13.6 Ah	35 W	Mono crystalline	919515812631	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	13.6 Ah	35 W	Mono crystalline
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	13.6 Ah	35 W	Mono crystalline	919515812632	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	13.6 Ah	35 W	Mono crystalline

Order Code	Full Product Name	Battery	Panel peak	Panel type
		ampere hour	wattage	
919515812969	BRP710 LED20 WW MR 12V 35MO FDIM50 Solar	13.6 Ah	35 W	Mono crystalline
919515812981	BRP710 LED20 NW MR 12V 35MO FDIM50 Solar	13.6 Ah	35 W	Mono crystalline
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	30 Ah	60 W	Mono crystalline
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	30 Ah	60 W	Mono crystalline
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	30 Ah	60 W	Mono crystalline
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	30 Ah	60 W	Mono crystalline

Order Code	Full Product Name	Battery	Panel peak	Panel type
		ampere hour	wattage	
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	30 Ah	60 W	Mono crystalline
919515813569	BRP710 LED45 NW MR S1 12V LFP Solar	30 Ah	60 W	Mono crystalline
919515813570	BRP710 LED45 WW MR S1 12V FD30 Solar	30 Ah	60 W	Mono crystalline
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	30 Ah	60 W	Mono crystalline
919615811180	BRP710 LED45 CW Housing KIT Solar	30 Ah	60 W	Mono crystalline
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	30 Ah	60 W	Mono crystalline

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	5700 K
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	5700 K
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	5700 K
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	5700 K
919515812625	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	5700 K
919515812626	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	5700 K
919515812629	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	5700 K
919515812630	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	5700 K
919515812966	BRP710 LED20 WW MR 12V LFP Solar	3000 K
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	3000 K
919515812968	BRP710 LED20 WW MR 12V 35MO PDIM50 Solar	3000 K
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	3000 K
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	3000 K
919515812978	BRP710 LED20 NW MR 12V LFP Solar	4000 K
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	4000 K
919515812980	BRP710 LED20 NW MR 12V 35MO PDIM50 Solar	4000 K
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	4000 K
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	4000 K

Order Code	Full Product Name	Init. Corr. Color Temperature
919615811178	BRP710 LED20 CW Housing KIT Solar	5700 K
919615811179	BRP710 LED30 CW Housing KIT Solar	5700 K
919515812627	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	5700 K
919515812628	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	5700 K
919515812631	BRP710 LED20 CW MR S1 12V 35MO FDIM50 So	5700 K
919515812632	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	5700 K
919515812969	BRP710 LED20 WW MR 12V 35MO FDIM50 Solar	3000 K
919515812981	BRP710 LED20 NW MR 12V 35MO FDIM50 Solar	4000 K
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	5700 K
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	5700 K
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	5700 K
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	5700 K
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	3000 K
919515813569	BRP710 LED45 NW MR S1 12V LFP Solar	4000 K
919515813570	BRP710 LED45 WW MR S1 12V FD30 Solar	3000 K
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	4000 K
919615811180	BRP710 LED45 CW Housing KIT Solar	5700 K
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	5700 K

Mechanical and Housing

Order Code	Full Product Name	Overall height	Overall length	Overall width
919515812387	BRP710 LED20 CW MR S1 12V LFP AIO Solar	156 mm	684 mm	369 mm
919515812388	BRP710 LED30 CW MR S1 12V LFP AIO Solar	156 mm	684 mm	369 mm
919515812389	BRP710 LED20 CW MR S1 12V LFP AIO Solar	156 mm	684 mm	369 mm
919515812390	BRP710 LED30 CW MR S1 12V LFP AIO Solar	156 mm	684 mm	369 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
919515812625	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	156 mm	684 mm	369 mm
919515812626	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	156 mm	684 mm	369 mm
919515812629	BRP710 LED20 CW MR S1 12V 28PO PDIM50 So	156 mm	684 mm	369 mm
919515812630	BRP710 LED20 CW MR S1 12V 35MO PDIM50 So	156 mm	684 mm	369 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
919515812966	BRP710 LED20 WW MR 12V LFP Solar	156 mm	684 mm	369 mm
919515812967	BRP710 LED20 WW MR 12V 28PO PDIM50 Solar	156 mm	684 mm	369 mm
919515812968	BRP710 LED20 WW MR 12V 35MO PDIM50 Solar	156 mm	684 mm	369 mm
919515812970	BRP710 LED20 WW MR 12V 35MO Solar	156 mm	684 mm	369 mm
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	156 mm	684 mm	369 mm
919515812978	BRP710 LED20 NW MR 12V LFP Solar	156 mm	684 mm	369 mm
919515812979	BRP710 LED20 NW MR 12V 28PO PDIM50 Solar	156 mm	684 mm	369 mm
919515812980	BRP710 LED20 NW MR 12V 35MO PDIM50 Solar	156 mm	684 mm	369 mm
919515812982	BRP710 LED20 NW MR 12V 35MO Solar	156 mm	684 mm	369 mm
919515812983	BRP710 LED30 NW MR 12V LFP AIO Solar	156 mm	684 mm	369 mm
919615811178	BRP710 LED20 CW Housing KIT Solar	156 mm	684 mm	369 mm
919615811179	BRP710 LED30 CW Housing KIT Solar	156 mm	684 mm	369 mm
919515812627	BRP710 LED20 CW MR S1 12V 35MO FDM50 So	156 mm	684 mm	369 mm
919515812628	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	156 mm	684 mm	369 mm

Order Code	Full Product Name	Overall height	Overall length	Overall width
919515812631	BRP710 LED20 CW MR S1 12V 35MO FDM50 So	156 mm	684 mm	369 mm
919515812632	BRP710 LED20 CW MR S1 12V 35MO Solar Equ	156 mm	684 mm	369 mm
919515812969	BRP710 LED20 WW MR 12V 35MO FDM50 Solar	156 mm	684 mm	369 mm
919515812981	BRP710 LED20 NW MR 12V 35MO FDM50 Solar	156 mm	684 mm	369 mm
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	188 mm	757 mm	511 mm
919515812831	BRP710 LED45 CW MR S1 12V FD30 Solar IN	188 mm	757 mm	511 mm
919515813566	BRP710 LED45 CW MR S1 12V LFP Solar	188 mm	757 mm	511 mm
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	188 mm	757 mm	511 mm
919515813568	BRP710 LED45 WW MR S1 12V LFP Solar	188 mm	757 mm	511 mm
919515813569	BRP710 LED45 NW MR S1 12V LFP Solar	188 mm	757 mm	511 mm
919515813570	BRP710 LED45 WW MR S1 12V FD30 Solar	188 mm	757 mm	511 mm
919515813571	BRP710 LED45 NW MR S1 12V FD30 Solar	188 mm	757 mm	511 mm
919615811180	BRP710 LED45 CW Housing KIT Solar	188 mm	757 mm	511 mm
919615811265	BRP710 P LED45 CW MR 12V LFP Solar P4125	188 mm	757 mm	511 mm

