



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

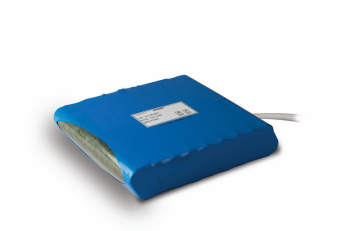
Application

- Category P roads
- Rural areas
- Parks, pedestrian path lighting
- Industries, office, schools
- Shopping centres, corporate campuses, plazas

Versions

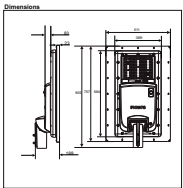


SunStay 4500 Lumen



Lithium Ferro Phosphate battery

Dimensional drawing

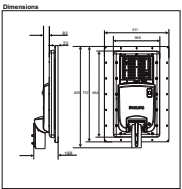
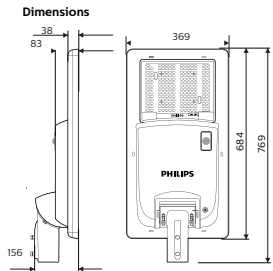


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Dimensions



Description	12NC	Product Dimension LxWxH (cm)
SPARE BT LFP 12.8V 30Ah SOLAR EQUIP	919415811056	30x17.5x6
SPARE BT LFP 12.8V 20Ah SOLAR EQUIP	919415811055	30x17.5x6
SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	919415811054	22x17.5x5



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Operating and Electrical	
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Approval and Application	
Ambient temperature range	0 to +35 °C
Application Conditions	
Ambient temperature range for charging	0 °C to +45 °C

Light Technical

		Correlated Color	Color rendering
Order Code	Full Product Name	Temperature (Nom)	index (CRI)
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	3000 K	>70
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	3000 K	>70
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	3000 K	>70
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	5700 K	>70

		Correlated Color	Color rendering
Order Code	Full Product Name	Temperature (Nom)	index (CRI)
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	5700 K	>70
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	4000 K	>70
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-	-

Operating and Electrical

		Battery ampere	Charge	Panel peak			
Order Code	Full Product Name	hour	controller type	Grid connection type	wattage	Panel type	Panel voltage
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	20 Ah	MPPT	Off grid	35 W	Mono crystalline	17 Vmp, 21 Voc V
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	30 Ah	MPPT	Off grid	60 W	Mono crystalline	17 V
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	20 Ah	MPPT	Off grid	35 W	Mono crystalline	17 V
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	30 Ah	MPPT	Off grid	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	30 Ah	MPPT	Off grid	60 W	Mono crystalline	17 Vmp, 21 Voc V
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	30 Ah	MPPT	Off grid	60 W	Mono crystalline	17 V
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	13.6 Ah	-	-	-	-	-

Controls and Dimming

Full Product				
Order Code	Name	Dimmable	Configurability	Solar dimming profile
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Yes	Factory Configurable	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
919515814304	BRP710 LED30 WW 60MO	Yes	Configurable	30% Dusk to dawn, 100% on motion.

Full Product				
Order Code	Name	Dimmable	Configurability	Solar dimming profile
919515813567	PDIM30 BLE Solar			(Sensor disabled for 5 Hrs, after 5 Hrs)
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	Yes	Configurable	50% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)

Full Product				
Order Code	Name	Dimmable	Configurability	Solar dimming profile
919515812830	BRP710 LED45	Yes	Factory	30% Dusk to dawn,
	CW MR S1 12V		Configurable	100% on motion.
	LFP Solar IN			(Sensor disabled for 5 Hrs, after 5 Hrs)
919515813567	BRP710 LED45	Yes	Factory	5hrs 100% + 7 hrs 30%
	CW MR S1 12V		Configurable	
	FD30 Solar			
919515898029	BRP710 LED45	Yes	Configurable	30% Dusk to dawn,
	NW 60MO			100% on motion.

Full Product				
Order Code	Name	Dimmable	Configurability	Solar dimming profile
919415811054	PDIM30 BLE	-	-	(Sensor disabled for 5 Hrs, after 5 Hrs)
	SOLAR EX			
	SPARE BT LFP			
	12.8V 13.6Ah			
	SOLAR EQUIP			

Mechanical and Housing

Order Code	Full Product Name	Battery location	Housing Color	Ingress protection code	Overall height	Overall length	Overall width
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	Inside Luminaire	Gray	IP65	156 mm	684 mm	369 mm
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	Inside Luminaire	RAL 7011	IP65	156 mm	684 mm	369 mm
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	Inside Luminaire	RAL 7011	IP65	156 mm	684 mm	369 mm
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	Inside Luminaire	Gray	IP65	188 mm	757 mm	511 mm
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	Inside Luminaire	Gray	IP65	188 mm	757 mm	511 mm
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	Inside Luminaire	RAL 7011	IP65	188 mm	757 mm	511 mm
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-	-	-	220 mm	175 mm	50 mm

Application Conditions

Order Code	Full Product Name	Ambient temperature range for discharging (when light is on)
919515812971	BRP710 LED30 WW MR 12V LFP AIO Solar	-20 °C to +35 °C
919515814304	BRP710 LED30 WW 60MO PDIM30 BLE Solar	-20 °C to +35 °C
919515898033	BRP710 LED20 WW 35MO PDIM50 BLE SOLAR EX	-20 °C to +35 °C
919515812830	BRP710 LED45 CW MR S1 12V LFP Solar IN	-20 °C to +35 °C

Order Code	Full Product Name	Ambient temperature range for discharging (when light is on)
919515813567	BRP710 LED45 CW MR S1 12V FD30 Solar	-20 °C to +35 °C
919515898029	BRP710 LED45 NW 60MO PDIM30 BLE SOLAR EX	-20 °C to +35 °C
919415811054	SPARE BT LFP 12.8V 13.6Ah SOLAR EQUIP	-20 °C to +60 °C

