



SunStay. All In One solar street light

SunStay

An integrated solar street light with a lithium ferro phosphate battery, solar panel and charger built into the luminaire. Pressure die-cast aluminium for sturdiness and long life. A 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
- Environmentally friendly
- Sturdy construction for long life

Features

- High luminous efficacy of 175 lm/Watt to maximise battery performance
- Replaceable Lithium Ferro Phosphate battery for long life and hassle free operations.
- MPPT charge controller for maximum efficiency
- Pressure die-cast aluminium 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 maximisation.
- Self diagnostic feature along with battery charging, discharging & cut-off LED Indicators

Application

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

Versions



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
Ambient temperature range	0 to +35 °C
Battery location	Inside Luminaire
Grid connection type	Off grid
Solar dimming profile	30% Dusk to dawn, 100% on motion. (Sensor disabled for 5 Hrs, after 5 Hrs)
Approval and application	
Ingress protection code	IP65
Controls and dimming	
Dimmable	Yes
Operating and electrical	
Battery ampere hour	30 Ah
Battery charging & discharging cycles	2000
Battery type	Lithium Ferro Phosphate
Battery voltage	12.8 V
Charge controller type	MPPT
Panel peak wattage	60 W
Panel type	Mono crystalline
Initial performance (IEC compliant)	
Init. Colour rendering index	>70

Controls and dimming

Order Code	Full Product Name	Configurability
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	Factory Configurable
51729500	BRP710 LED30 WW 60MO PDIM30 BLE Solar	Configurable
		Configurable

Operating and electrical

Order Code	Full Product Name	Panel voltage
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	17 Vmp, 21 Voc V
51729500	BRP710 LED30 WW 60MO PDIM30 BLE Solar	17 V

Order Code	Full Product Name	Panel voltage
		17 V

Initial performance (IEC compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	4000 K
51729500	BRP710 LED30 WW 60MO PDIM30 BLE Solar	3000 K

Order Code	Full Product Name	Init. Corr. Colour Temperature
		4000 K

Mechanical and housing

Order Code	Full Product Name	Colour	Overall height	Overall length	Overall width
36234200	BRP710 LED45 NW MR S1 12V LFP Solar	Grey	188 mm	757 mm	511 mm

Order Code	Full Product Name	Colour	Overall height	Overall length	Overall width
51729500	BRP710 LED30 WW 60MO PDIM30 BLE Solar	RAL 7011	156 mm	684 mm	369 mm
		RAL 7011	156 mm	684 mm	369 mm

