



# UrbanSpark all in one solar post-top lantern

## UrbanSpark

Integrated solar post top lantern with Lithium Ferro Phosphate battery, vertically mounted mono-crystalline solar panel and MPPT charger. Extruded aluminium construction for sturdiness and long life. Choice of street light and post top optics and pole height of 4 & 6 metres. Charger and battery accommodated inside the pole and accessible through service hatch for ease of maintenance. Vertically mounted panels on all four sides to catch sunlight throughout the day. IP-68 battery to prevent damage in case of water logging.

### Benefits

- Brings light to areas without access to electric grid
- Elegant design
- Preserves landscape as no trenching for cabling required
- Saves energy
- Environment friendly

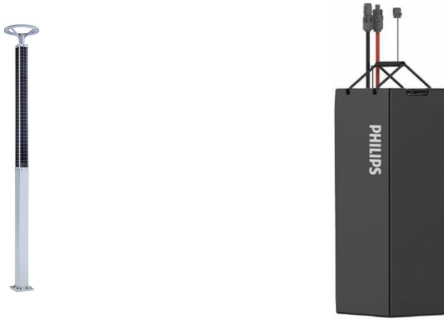
### Features

- Replaceable IP-68 Lithium Ferro Phosphate battery for long life and hassle free operations
- MPPT charge controller for maximum efficiency
- Sturdy aluminium alloy construction for sturdiness and long life
- Factory set dimming profile for run time maximisation

### Application

- Cities
- Office campuses
- Parks
- Residential Societies
- Heritage Roads

## Versions



### Application Conditions

Ambient temperature range	0 to +35 °C
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## Application Conditions

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
01800502	BDP301 LED 6M 7043	-	-
01800802	BDP301 LED 4M 7043	-	-
01897201	BDP301 LED 4M 9006	-	-
01897301	BDP301 LED 6M 9006	-	-

Order Code	Full Product Name	Ambient temperature range for charging	Ambient temperature range for discharging (when light is on)
01800602	ZJS601 60AH 12.8V Battery	0 to +45 °C	-20 to +60 °C
01800702	ZJS601 100AH 12.8V Battery	0 to +45 °C	-20 to +60 °C

## Operating and Electrical

Order Code	Full Product Name	Battery ampere hour	Battery charging & discharging cycles	Battery type	Battery voltage	Panel peak wattage	Panel type	Panel voltage
01800502	BDP301 LED 6M 7043	-	-	-	-	360 W	Mono crystalline	18 Vmp, 23 Voc V
01800802	BDP301 LED 4M 7043	-	-	-	-	180 W	Mono crystalline	18 Vmp, 23 Voc V
01897201	BDP301 LED 4M 9006	-	-	-	-	180 W	Mono crystalline	18 Vmp, 23 Voc V
01897301	BDP301 LED 6M 9006	-	-	-	-	360 W	Mono crystalline	18 Vmp, 23 Voc V
01800602	ZJS601 60AH 12.8V Battery	60 Ah	2000	Lithium Ferro Phosphate	12.8 V	-	-	-
01800702	ZJS601 100AH 12.8V Battery	100 Ah	2000	Lithium Ferro Phosphate	12.8 V	-	-	-

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature
01800502	BDP301 LED 6M 7043	- K
01800802	BDP301 LED 4M 7043	- K
01897201	BDP301 LED 4M 9006	- K

Order Code	Full Product Name	Init. Corr. Colour Temperature
01897301	BDP301 LED 6M 9006	- K
01800602	ZJS601 60AH 12.8V Battery	-
01800702	ZJS601 100AH 12.8V Battery	-

## Mechanical and Housing

Order Code	Full Product Name	Colour	Overall height	Overall length	Overall width
01800502	BDP301 LED 6M 7043	RAL 7043	6000 mm	172 mm	172 mm
01800802	BDP301 LED 4M 7043	RAL 7043	4000 mm	172 mm	172 mm
01897201	BDP301 LED 4M 9006	RAL 9006	4000 mm	172 mm	172 mm

Order Code	Full Product Name	Colour	Overall height	Overall length	Overall width
01897301	BDP301 LED 6M 9006	RAL 9006	6000 mm	172 mm	172 mm
01800602	ZJS601 60AH 12.8V Battery	-	470 mm	120 mm	146 mm
01800702	ZJS601 100AH 12.8V Battery	-	470 mm	120 mm	146 mm

### Approval and Application

Order Code	Full Product Name	Ingress protection code
01800502	BDP301 LED 6M 7043	-
01800802	BDP301 LED 4M 7043	-
01897201	BDP301 LED 4M 9006	-

Order Code	Full Product Name	Ingress protection code
01897301	BDP301 LED 6M 9006	-
01800602	ZJS601 60AH 12.8V Battery	IP68
01800702	ZJS601 100AH 12.8V Battery	IP68

