# **PHILIPS** Lighting



# 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

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

#### Features

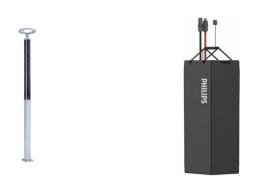
- Replaceable IP-68 Lithium Ferro Phosphate battery for long life and hassle free operations
- MPPT charge controller for maximum efficiency
- $\cdot$  Sturdy aluminium alloy construction for sturdiness and long life
- Factory set dimming profile for run time maximisation

#### Application

- Cities
- $\cdot$  Office campuses
- Parks
- Residential Societies
- Heritage Roads

### UrbanSpark

#### Versions



Application Conditions	
Ambient temperature range	0 to +35 °C

#### **Application Conditions**

			Ambient temperature					Ambient temperature
		Ambient temperature	range for discharging				Ambient temperature	range for discharging
Order Code	Full Product Name	range for charging	(when light is on)	Orde	r Code	Full Product Name	range for charging	(when light is on)
911401800502	BDP301 LED 6M	-	-	91140	01800602	ZJS601 60AH 12.8V	0 to +45 °C	-20 to +60 °C
	7043					Battery		
911401897201	BDP301 LED 4M	-	-	91140	01800702	ZJS601 100AH 12.8V	0 to +45 °C	-20 to +60 °C
	9006					Battery		

#### **Operating and Electrical**

		Battery ampere	Battery charging &			Panel peak		
Order Code	Full Product Name	hour	discharging cycles	Battery type	Battery voltage	wattage	Panel type	Panel voltage
911401800502	BDP301 LED 6M 7043	-	-	-	-	360 W	Mono crystalline	18 Vmp, 23 Voc V
911401897201	BDP301 LED 4M 9006	-	-	-	-	180 W	Mono crystalline	18 Vmp, 23 Voc V
911401800602	ZJS601 60AH 12.8V Battery	60 Ah	2000	Lithium Ferro	12.8 V	-	-	-
				Phosphate				
911401800702	ZJS601 100AH 12.8V Battery	100 Ah	2000	Lithium Ferro	12.8 V	-	-	-
				Phosphate				

#### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Order Code	Full Product Name	Init. Corr. Colour Temperature
911401800502	BDP301 LED 6M 7043	- K	911401800602	ZJS601 60AH 12.8V Battery	-
911401897201	BDP301 LED 4M 9006	- K	911401800702	ZJS601 100AH 12.8V Battery	-

#### Mechanical and Housing

	Full Product		Overall	Overall	Overall
Order Code	Name	Colour	height	length	width
911401800502	BDP301 LED 6M 7043	RAL 7043	6000 mm	172 mm	172 mm
911401897201	BDP301 LED 4M 9006	RAL 9006	4000 mm	172 mm	172 mm

	Full Product		Overall	Overall	Overall
Order Code	Name	Colour	height	length	width
911401800602	ZJS601 60AH	-	470 mm	120 mm	146 mm
	12.8V Battery				

#### **UrbanSpark**

	Full Product		Overall	Overall	Overall
Order Code	Name	Colour	height	length	width
911401800702	ZJS601 100AH	-	470 mm	120 mm	146 mm
	12.8V Battery				

#### Approval and Application

Order Code	Full Product Name	Ingress protection code	Order Code	Full Product Name	Ingress protection code
911401800502	BDP301 LED 6M 7043	-	911401800602	ZJS601 60AH 12.8V Battery	IP68
911401897201	BDP301 LED 4M 9006	-	911401800702	ZJS601 100AH 12.8V Battery	IP68



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