



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 meters. 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 maximization

Application

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

Versions



Accessories



Square Shape LFP battery for Urban Spark

Ordercode 911401800602, 911401800702



Gen 3 Combo CC

Ordercode 911401813202

Application Conditions

Ambient temperature range 0 to +35 °C

Application Conditions

Order Code	Full Product Name	Battery location	Solar dimming profile
824110111031	BRP711 LED60/CW 44W 12V DM SD 6.0M CC	Inside Pole	6H 100% + 6H 50%
824110111051	BGP161 LED2500/NW 12V SD 4.0M 7043 CC	Inside Pole	6H 100% + 6H 50%
824110111071	BGP161 LED2500/NW 12V SD 4.0M 9006 CC	Inside Pole	6H 100% + 6H 50%

Order Code	Full Product Name	Battery location	Solar dimming profile
911401800502	BDP301 LED 6M 7043	-	-
911401800802	BDP301 LED 4M 7043	-	-
911401897201	BDP301 LED 4M 9006	-	-
911401897301	BDP301 LED 6M 9006	-	-

Approval and Application

Order Code	Full Product Name	Ingress protection code
824110111031	BRP711 LED60/CW 44W 12V DM SD 6.0M CC	IP66
824110111051	BGP161 LED2500/NW 12V SD 4.0M 7043 CC	IP65
824110111071	BGP161 LED2500/NW 12V SD 4.0M 9006 CC	IP65
911401800502	BDP301 LED 6M 7043	-

Order Code	Full Product Name	Ingress protection code
911401800802	BDP301 LED 4M 7043	-
911401897201	BDP301 LED 4M 9006	-
911401897301	BDP301 LED 6M 9006	-

Controls and Dimming

Order Code	Full Product Name	Dimmable	Configurability
824110111031	BRP711 LED60/CW 44W 12V DM SD 6.0M CC	Yes	Configurable
824110111051	BGP161 LED2500/NW 12V SD 4.0M 7043 CC	Yes	Configurable
824110111071	BGP161 LED2500/NW 12V SD 4.0M 9006 CC	Yes	Configurable

Order Code	Full Product Name	Dimmable	Configurability
911401800502	BDP301 LED 6M 7043	-	-
911401800802	BDP301 LED 4M 7043	-	-
911401897201	BDP301 LED 4M 9006	-	-
911401897301	BDP301 LED 6M 9006	-	-

Operating and Electrical

Order Code	Full Product Name	Battery type	Battery voltage	Charge controller			
				type	Panel peak wattage	Panel type	Panel voltage
824110111031	BRP711 LED60/CW 44W 12V DM SD 6.0M CC	Lithium Ferro Phosphate	12.8 V	MPPT	-	-	-
824110111051	BGP161 LED2500/NW 12V SD 4.0M 7043 CC	Lithium Ferro Phosphate	12.8 V	MPPT	-	-	-
824110111071	BGP161 LED2500/NW 12V SD 4.0M 9006 CC	Lithium Ferro Phosphate	12.8 V	MPPT	-	-	-
911401800502	BDP301 LED 6M 7043	-	-	-	360 W	Mono crystalline	18 Vmp, 23 Voc V
911401800802	BDP301 LED 4M 7043	-	-	-	180 W	Mono crystalline	18 Vmp, 23 Voc V
911401897201	BDP301 LED 4M 9006	-	-	-	180 W	Mono crystalline	18 Vmp, 23 Voc V
911401897301	BDP301 LED 6M 9006	-	-	-	360 W	Mono crystalline	18 Vmp, 23 Voc V

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index
824110111031	BRP711 LED60/CW 44W 12V DM SD 6.0M CC	4000 K	>70
824110111051	BGP161 LED2500/NW 12V SD 4.0M 7043 CC	4000 K	>70
824110111071	BGP161 LED2500/NW 12V SD 4.0M 9006 CC	4000 K	>70

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index
911401800502	BDP301 LED 6M 7043	- K	-
911401800802	BDP301 LED 4M 7043	- K	-
911401897201	BDP301 LED 4M 9006	- K	-
911401897301	BDP301 LED 6M 9006	- K	-

Mechanical and Housing

Order Code	Full Product Name	Color	Overall height	Overall length	Overall width
824110111031	BRP711 LED60/CW 44W 12V DM SD 6.0M CC	RAL 7043	161 mm	390 mm	595 mm
824110111051	BGP161 LED2500/NW 12V SD 4.0M 7043 CC	RAL 7043	265 mm	578 mm	578 mm
824110111071	BGP161 LED2500/NW 12V SD 4.0M 9006 CC	RAL 9006	265 mm	578 mm	578 mm
911401800502	BDP301 LED 6M 7043	RAL 7043	6000 mm	172 mm	172 mm

Order Code	Full Product Name	Color	Overall height	Overall length	Overall width
911401800802	BDP301 LED 4M 7043	RAL 7043	4000 mm	172 mm	172 mm
911401897201	BDP301 LED 4M 9006	RAL 9006	4000 mm	172 mm	172 mm
911401897301	BDP301 LED 6M 9006	RAL 9006	6000 mm	172 mm	172 mm

