



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



Square Shape LFP battery for Urban Spark



Application conditions

Ambient temperature range 0 to +35 °C

Application conditions

| Order Code | Full Product Name | Ambient temperature range for charging | Ambient temperature range for discharging (when light is on) | 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 | - | - | - | - |
| 911401800602 | ZJS601 60AH 12.8V Battery | 0 to +45 °C | -20 to +60 °C | - | - |

| Order Code | Full Product Name | Ambient temperature range for charging | Ambient temperature range for discharging (when light is on) | Battery location | Solar dimming profile |
|--------------|-----------------------------------|--|--|------------------------|--------------------------|
| 911401800702 | ZJS601 100AH 12.8V Battery | 0 to +45 °C | -20 to +60 °C | - | - |
| 911401821502 | BGP161 LED2500/N W 12V SD 4M 7043 | - | - | Inside UrbanSpark Pole | As per remote controller |

Operating and electrical (1/2)

| Order Code | Full Product Name | Battery ampere hour | Battery charging & discharging cycles | Battery type | Battery voltage | Cable connection kit | Panel peak wattage | Panel type |
|--------------|--------------------|---------------------|---------------------------------------|--------------|-----------------|----------------------|--------------------|------------------|
| 911401800502 | BDP301 LED 6M 7043 | - | - | - | - | - | 360 W | Mono crystalline |

| Order Code | Full Product Name | Battery ampere hour | Battery charging & discharging cycles | Battery type | Battery voltage | Cable connection kit | Panel peak wattage | Panel type |
|--------------|-------------------------------------|------------------------|--|----------------------------|--------------------|-------------------------|-----------------------|------------------|
| 911401800802 | BDP301 LED 4M 7043 | - | - | - | - | - | 180 W | Mono crystalline |
| 911401897201 | BDP301 LED 4M 9006 | - | - | - | - | - | 180 W | Mono crystalline |
| 911401897301 | BDP301 LED 6M 9006 | - | - | - | - | - | 360 W | Mono crystalline |
| 911401800602 | ZJS601 60AH 12.8V Battery | 60 Ah | 2000 | Lithium Ferro Phosphate | 12.8 V | - | - | - |
| 911401800702 | ZJS601 100AH 12.8V Battery | 100 Ah | 2000 | Lithium Ferro Phosphate | 12.8 V | - | - | - |
| 911401821502 | BGP161 LED2500/NW 12V SD 4M 7043 | - | - | - | - | Included | - | - |

Operating and electrical (2/2)

| Order Code | Full Product Name | Panel voltage |
|--------------|--------------------|------------------|
| 911401800502 | BDP301 LED 6M 7043 | 18 Vmp, 23 Voc V |
| 911401800802 | BDP301 LED 4M 7043 | 18 Vmp, 23 Voc V |
| 911401897201 | BDP301 LED 4M 9006 | 18 Vmp, 23 Voc V |
| 911401897301 | BDP301 LED 6M 9006 | 18 Vmp, 23 Voc V |

| Order Code | Full Product Name | Panel voltage |
|--------------|----------------------------------|---------------|
| 911401800602 | ZJS601 60AH 12.8V Battery | - |
| 911401800702 | ZJS601 100AH 12.8V Battery | - |
| 911401821502 | BGP161 LED2500/NW 12V SD 4M 7043 | - |

Initial performance (IEC compliant)

| 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 | - |

| Order Code | Full Product Name | Init. Corr. Color Temperature | Init. Color Rendering Index |
|--------------|-------------------------------------|----------------------------------|--------------------------------|
| 911401800602 | ZJS601 60AH 12.8V Battery | - | - |
| 911401800702 | ZJS601 100AH 12.8V Battery | - | - |
| 911401821502 | BGP161 LED2500/NW 12V SD 4M 7043 | 4000 K | >70 |

Mechanical and housing

| Order Code | Full Product Name | Color | Overall height | Overall length | Overall width |
|--------------|-----------------------|-------------|-------------------|-------------------|------------------|
| 911401800502 | BDP301 LED 6M 7043 | RAL 7043 | 6000 mm | 172 mm | 172 mm |
| 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 |

| Order Code | Full Product Name | Color | Overall height | Overall length | Overall width |
|--------------|--|-------------|-------------------|-------------------|------------------|
| 911401800602 | ZJS601 60AH 12.8V Battery | - | 470 mm | 120 mm | 146 mm |
| 911401800702 | ZJS601 100AH 12.8V Battery | - | 470 mm | 120 mm | 146 mm |
| 911401821502 | BGP161 LED2500/NW 12V SD 4M 7043 | RAL 7043 | 265 mm | 578 mm | 578 mm |

Approval and application

| Order Code | Full Product Name | Ingress protection code |
|--------------|--------------------|-------------------------|
| 911401800502 | BDP301 LED 6M 7043 | - |
| 911401800802 | BDP301 LED 4M 7043 | - |
| 911401897201 | BDP301 LED 4M 9006 | - |
| 911401897301 | BDP301 LED 6M 9006 | - |

| Order Code | Full Product Name | Ingress protection code |
|--------------|----------------------------------|-------------------------|
| 911401800602 | ZJS601 60AH 12.8V Battery | IP68 |
| 911401800702 | ZJS601 100AH 12.8V Battery | IP68 |
| 911401821502 | BGP161 LED2500/NW 12V SD 4M 7043 | IP65 |

Controls and dimming

| 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 | - | - |

| Order Code | Full Product Name | Dimmable | Configurability |
|--------------|----------------------------------|----------|-----------------|
| 911401800602 | ZJS601 60AH 12.8V Battery | - | - |
| 911401800702 | ZJS601 100AH 12.8V Battery | - | - |
| 911401821502 | BGP161 LED2500/NW 12V SD 4M 7043 | Yes | Configurable |

