



EcoCivil Solar Lighting Towers

Telescopic Mast

Applications

Temporary solar lighting towers are portable lighting solutions that are powered by solar panels. They are commonly used in a wide range of applications where temporary lighting is required, particularly in areas where mains power is not readily available or where it is impractical to install permanent lighting infrastructure. Some common applications for temporary solar lighting towers include:

- Construction Sites
- Special Events
- Emergency Response
- Military Operations
- Mining Sites
- Temporary Parking Lots

Overall, temporary solar lighting towers are a versatile and portable lighting solution that can be used in a variety of applications where temporary lighting is required.



EcoCivil Solar Lighting Towers

Technical Specifications



60 Watt Solar Lamp



100 Watt Solar Lamp

Specification

| Details | EcoCivil 100 | EcoCivil 60 |
|------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|
| Light | | |
| LED Power | 100 Watts | 60 Watts |
| Efficiency | 150 Lumens / Watts | 150 Lumens / Watts |
| LED Lifetime | Over 50000 Hours LM80 | Over 50000 Hours LM80 |
| Battery | | |
| Type | Lithium Iron Phosphate LiFePo4 - 26650 | Lithium Iron Phosphate LiFePo4 - 26650 |
| Capacity | 62 AH 12.8 VOLTS | 42 AH 12.8 VOLTS |
| Autonomy | Over 24 Hours At Full Charge 4 Days Back Up Overcast Conditions | Over 24 Hours At Full Charge 4 Days Back Up Overcast Conditions |
| Charging time | 6-7 HOURS | 6-7 HOURS |
| Lifespan | Over 4000 Cycles @ 80% Dod Over 10 Years Lifetime | Over 4000 Cycles @ 80% Dod Over 10 Years Lifetime |
| Working Temp. | -10°C TO 70 °C - (Optional -40°C TO 70 °C) | -10°C TO 70 °C - (Optional -40°C TO 70 °C) |
| Solar Panel | | |
| Power | 140 Watts /18V | 105 Watts /18V |
| Cell type | Monocrystalline Panel Grade a 25 Years | Monocrystalline Panel Grade a 25 Years |
| Size | 1408mm x 565mm x 43mm | 1570mm x 400mm x 43mm |
| Concrete Block | | |
| Size | 1200mm x 1200mm x 600mm | 900mm x 900mm x 500mm |
| Weight | 1900kg | 900kg |
| Telescopic Mast | | |
| Number of extentions | 5 Sections | 3 Sections |
| Operation | Manual | Manual |
| Tower Size | | |
| Retracted | 2900mm | 5000mm |
| Extended | 3000mm | 7200mm |