



SOLAR SMART POLES
CUSTOM MADE




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COULD BE
HERE
ARABIAN TECHNOLOGY HOUSE LIMITED





CUSTOMISATION OPTIONS

Solar Smart Poles

ATHL offers customers a wide variety of customization options to accommodate the unique requirements of each client. Below is a list of just some of the options we offer for our Solar Light Poles.



Advertising Panels



USB Charge Station



Height: between 3-14 meters



Radiation Sensor



Luminosity: LED Light 115 L/W with 25-160 W



Military Grade Surveillance Camera



Color: Black, Gold, Platinum, White or Grey



Wind Meter



Design



PIR Sensor (Darkness Only Activation)



CCTV



Smoke Sensor



WIFI



Temperature Sensor



Alarm



Climate Monitor

All Solar Light Poles are built as per specifications agreed with our customers. Our consulting team will review the requirements and provide recommendations to ensure that poles are uniquely suited to each setting.

SOLAR SMART POLES

Solar Smart Poles are changing the way solar energy is harnessed with new patented cylindrical solar panels manufactured and assembled in the UAE, which require minimal upkeep and maintenance while providing 100% clean energy. Solar Smart Poles are aligned with ATHL's global commitment to sustainability and tackling climate change.



SOLAR SMART POLES

Motorway Solar Smart Poles

10-13 meter poles for use on major motorways

Unlike traditional light poles for motorways, ATHL offers customized solar light poles which can have up to two (2) arms with a wind turbine in the center to increase the power generation 24 hours a day. Poles are 10-13 meters high and emit



Urban Solar Smart Poles

6-10 meter poles for use on urban and rural streets and roads, or in parking bays

Urban Light Poles are designed specifically for Streets, roads, buildings, and parking bays where traditional poles still consume large amounts of electricity and are costing cities or companies large sums of money on an annual basis. They are typically 6-10 meters high and come in a variety of different shapes and sizes based on the specific requirements.



Decorative Solar Smart Poles

3-6 meter poles to light up rural paths and urban parks

Decorative Light Poles are a perfect solution to accent and compliment lighting with colours and bespoke designs. Each pole is specifically designed to accentuate existing décor in garden, beach, driveway, or public walkways. These lights a a perfect solution for communities that want to accentuate public areas with bespoke lighting.



Customization Options

All poles can be customized to include an array of additional benefits

ATHL offers customers a wide variety of customization options to accommodate the unique requirements of each client. Below is a list of just some of the options we offer for our Solar Light Poles.

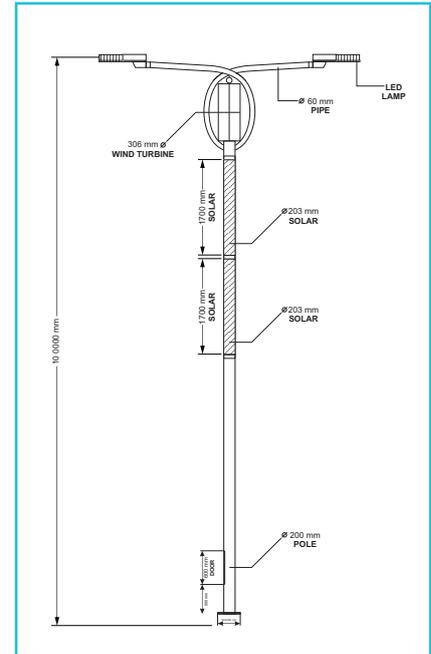




MOTORWAY

Solar Smart Poles

Unlike traditional light poles for motorways, ATHL offers customized solar light poles which can have up to two (2) arms with a wind turbine in the center to increase the power generation 24 hours a day. Poles are 10-13 meters high and emit



Shadow Tolerance

ATHL solar panels are part of the pole and are designed to continue producing electricity regardless of which part of the pole is receiving light. The vertical nature of the panels keeps them clean and resistant to dust and sand.



Maximum Luminous Intensity

The unique design of our Motorway Poles provides optimal luminous intensity with minimal glare.



Low-Light Behaviour

Our solar panels do not require radiation waves to charge. With simple daylight the solar panels will continue to charge regardless of weather conditions.



Performance at High Temperatures

Our poles were built in the UAE and specifically designed for optimal performance in even the most extreme weather conditions.

ATHL's Motorway Light Poles are a patented custom solution specifically designed to replace traditional flat panels with more esthetic and robust solutions to assist urban and rural communities transition over to clean energy and reduce their carbon footprint.



URBAN ENVIRONMENTS

Solar Smart Poles

Urban Light Poles are designed specifically for Streets, roads, buildings, and parking bays where traditional poles still consume large amounts of electricity and are costing cities or companies large sums of money on an annual basis. They are typically 6-10 meters high and come in a variety of different shapes and sizes based on the specific requirements.



Shadow Tolerance

Buildings will always be a part of Urban Environments which translates into shade during the day. Our Urban Light Poles are custom built to contemplate shade and ensure consistent and optimal luminous intensity independent of the impact of shade throughout the day.



Low-Light Behaviour

ATHL Urban Light Poles are designed to perform in sub-optimal climatic environments. Poles are bespoke to the unique requirements of each location to adapt to any environment.



Maximum Luminous Intensity

Our custom solutions are built according to unique specifications. We assess the luminous intensity requirements and build the poles according to these specifications to ensure that optimal results.



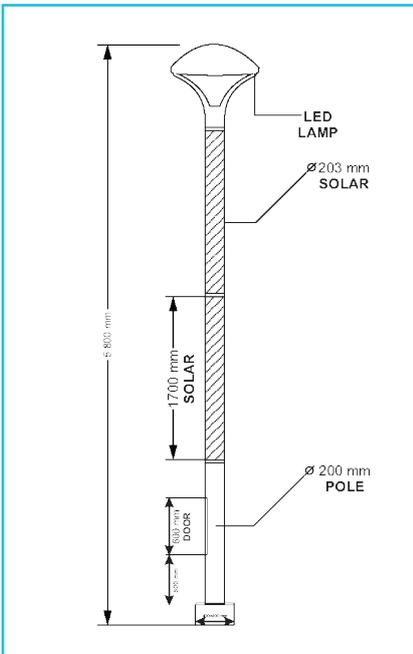
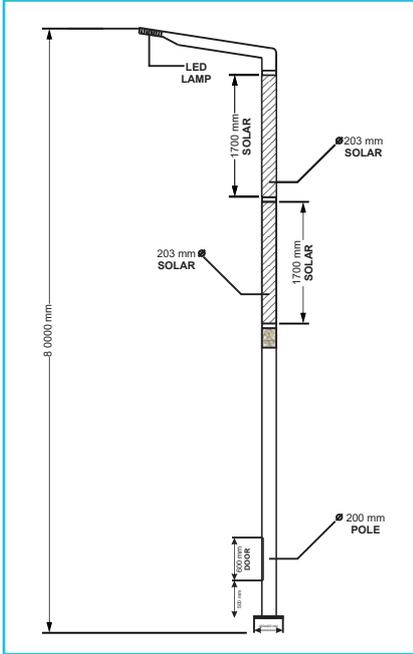
Performance at High Temperatures

All our Solar Light Poles are intentionally designed to withstand extreme climatic conditions.

Urban environments require bespoke designs and functionality which is where ATHL is uniquely positioned. We build our Urban solutions based on each customer's unique requirements to exceed expectations.

URBAN ENVIRONMENTS

Solar Smart Poles

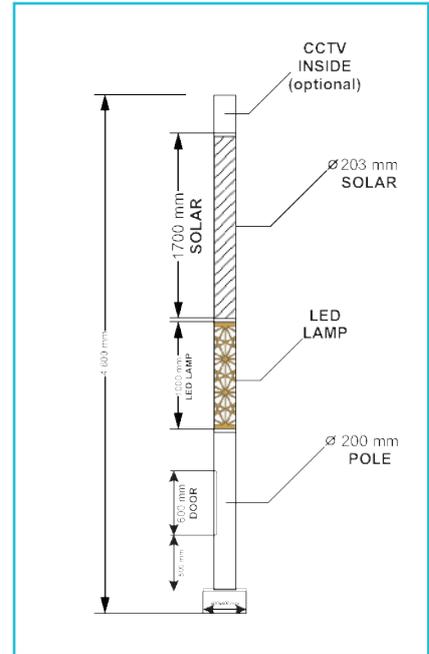




DECORATIVE

Solar Smart Poles

Decorative Light Poles are a perfect solution to accent and compliment lighting with colours and bespoke designs. Each pole is specifically designed to accentuate existing décor in garden, beach, driveway, or public walkways. These lights a perfect solution for communities that want to accentuate public areas with bespoke lighting.



Shadow Tolerance

ATHL solar panels are part of the pole and are designed to continue producing electricity regardless of which part of the pole is receiving light. The vertical nature of the panels keeps them clean and resistant to dust and sand.



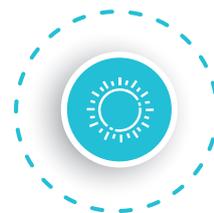
Maximum Luminous Intensity

The unique design of our Motorway Poles provides optimal luminous intensity with minimal glare.



Low-Light Behaviour

Our solar panels do not require radiation waves to charge. With simple daylight the solar panels will continue to charge regardless of weather conditions.



Performance at High Temperatures

Our poles were built in the UAE and specifically designed for optimal performance in even the most extreme weather conditions.

Decorative Lights are custom-built to address the requirements of the public or private space where they will be situated, and can be anywhere from 3-6 meters with any design, colour, and feature functionality.





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