



## Possible Key Features for Masdar City

- 1. Zero-Carbon Footprint:** The city is designed to be a zero-carbon, zero-waste urban development. It heavily relies on solar energy and other renewable sources.
- 2. Sustainable Buildings:** All buildings are designed to reduce energy and water consumption by at least 40% compared to typical buildings.
- 3. Innovative Transportation:** Masdar City uses driverless electric vehicles and has a walkable design to reduce reliance on cars.
- 4. Research and Development Hub:** It hosts the Masdar Institute of Science and Technology, which focuses on sustainable technology and innovation.
- 5. Waste Management:** The city aims to recycle and reuse 100% of its waste.

## Possible Key Features for Noor Solar Complex

- 1. Large Scale:** The complex covers an area of around 3,000 hectares and aims to generate up to 580 MW of electricity.
- 2. Technological Integration:** It uses a combination of concentrated solar power (CSP) and photovoltaic (PV) technologies.
- 3. Phased Development:** The project is being developed in several phases, with Noor I, II, III, and IV, each contributing progressively to the overall capacity.
- 4. Energy Storage:** The complex includes thermal energy storage systems that allow for electricity generation even after sunset.
- 5. Environmental Impact:** By reducing dependence on fossil fuels, it significantly cuts greenhouse gas emissions and contributes to Morocco's commitment to combat climate change.



## Useful websites

[UK Climate Change • Let's Go Zero \(letsgozero.org\)](https://letsgozero.org)

[Transform Our World: bringing environmental action into the classroom with quality-rated resources \(transform-our-world.org\)](https://transform-our-world.org)

يالا عربي  
Yalla Arabi