**PHOTOVOLTAIC FARM**

Small photovoltaic installations that belong to different owners, and share infrastructures and services, with the aim of selling the energy produced to the electricity grid.

**TYPES OF INTERCONNECTION CONTRACT**

Interconnection contracts for small and medium scale less than 500 kW

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Limit (kWp)** | **Photovoltaic modules** | **Power (W)** |
| Home | 30 | 90 | 330 |
| Business | 50 | 150 | 330 |
| Industry | 500 | 1200 | 330 |

Projects at public services scale are of 20 MW or more.

Requirements

Paperwork to do is the following:

* UIs
* Electrical Installations Verification Unit (UVIEs)
* Federal electricity commission (CFE)
* Energy regulatory commission (CRE)
* National Center for Energy Control (CENACE)

References

[▷ CFE PANELES SOLARES 🥇【 INTERCONEXIÓN CFE 】 (cferecibodeluz.com.mx)](https://cferecibodeluz.com.mx/cfe-paneles-solares/)

[Paneles solares para empresas - Energon Solar](https://energonsolar.mx/empresas/comercial/paneles-solares)

**PHOTOVOLTAIC PARKS**

Large solar power plant of industrial consumption, composed of a large number of solar panels that require a centralized control station and high voltage transformers.

**Solar park Núñez de Balboa**

* Europe’s largest photovoltaic solar park
* Around 1,000 hectares
* Cost: 300 million euros
* 1,413,000 solar panels
* Capacity to supply electricity to 250,000 people per year
* Avoiding emission of 215,000 tonnes of CO2 per year

**Sweden: making better use of its solar capacity**

* Despite the little or zero solar irradiation in winter
* Installing by 2040, 20 GW of solar energy
  + From currently 23 W to 2,5 kW per inhabitant
* Energimyndigheten (Sweden solar agency) proposes: To adopt photovoltaic energy in residential, commercial, and industrial systems

**Mohammed bin Rashid Al Maktoum Solar Park**

* Largest single-site solar park in the world based on the Independent Power Producer (IPP) model.
* Goals
  + Production capacity of 5,000 MW by 2030
  + Investment of AED 50 billion
  + When completed: Saving over 6.5 million tonnes of CO2 emissions per year

References

[¿Qué es un parque solar y cómo funciona? | Svea Solar](https://sveasolar.com/es/blog/que-es-un-parque-solar/)

[Facts about the solar park (dewa.gov.ae)](https://www.dewa.gov.ae/en/about-us/strategic-initiatives/mbr-solar-park/facts-about-the-solar-park)