



# Solar energy for homes romania

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Romania is a country with great potential for solar energy. With 210 sunny days a year and recorded solar energy flux of over 1,100 kWh/m<sup>2</sup>/year annually, this makes a large portion of Romania's land solar feasible.

Particularly, the regions near the Black Sea coast, Oltenia and Northern Dobruja generate up to 1,600 kWh/m<sup>2</sup>/year. Nowadays, Romania remains a major force in the industry of solar power, with solar installations dating back to the early 1970s already being established.

Today, let's list 20 of the most notable solar projects found throughout Romania, some operational, and some still being built. Knowledge of the notable solar projects within Romania should give potential innovators in the field of the solar power industry.

A 490-acre solar park located in Brasov County, Ucea owned by the company Hareon. The solar park has a nameplate capacity of 82 MW and is capable of supplying over 115 GWh of electricity annually. That amount of power is enough for 126,000 average-sized homes. This solar park is one of the largest and appropriately most powerful solar parks in Romania. It goes a long way towards decarbonizing the agriculture supply chain by using renewable energy sources.

Another 490-acre solar park is located in Sebis, Arad County, and is owned by Promocion Inversolar 65. This solar park generates 65 MW and supplies 91 GWh of electricity annually.

It's output makes it capable of powering 100,000 homes. The construction of this solar project was completed in 2013 and has since been working max capacity.

A 330-acre solar park located in Satu Mare County, between Draguseni and Livada and owned by Bester Generation. It has a name place capacity of 56 MW and supplies 33.6 GWh of electricity annually. That amount of power is expected to supply power to over 60,000 average-sized homes on a relatively moderate budget.

A 310-acre solar park that can be found in Giurgiu County, Izvoarele, and funded by LJG Green Energy Source Gamma. It is capable of storing up to 50-megawatts of solar energy and is capable of supplying 70 GWh.

That kind of power is capable of supplying 77,000 homes, and once again shows the potential of solar power when supported by dedicated sponsors.

A 280-acre solar park that resides in Giurgiu County, Slobozia that's owned by tech conglomerate Samsung (yes, that Samsung). The PV panels in this solar park are capable of storing 45 megawatts and generating 63



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GWh, powering over 69,000 homes.

This shows that even companies that aren't specialized in energy are investing in the future of solar power.

A 120-acre solar park that can be found in Gorj County, Targu Carbunesti, and while smaller in scale compared to the rest of the parks so far, it's also one of the few solar parks funded not by a corporation, but the local community. This proves that even communities are capable of planning for their carbon budget.

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