

PV Grid Parity Map

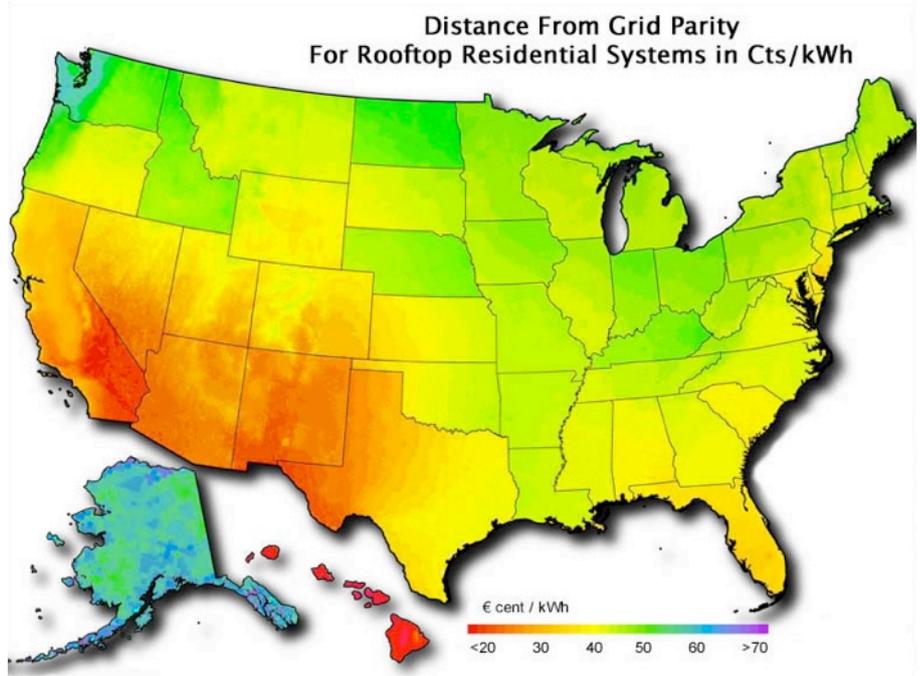
Solar electricity as cheap as power from the grid?

“Grid parity” means that solar electricity is as cheap as other grid connected sources of power. This will be achieved as solar systems prices go down. For some people in some places, power from their rooftop is already as cheap as power from the grid. Our PV Grid Parity Map helps you find these spots quickly!



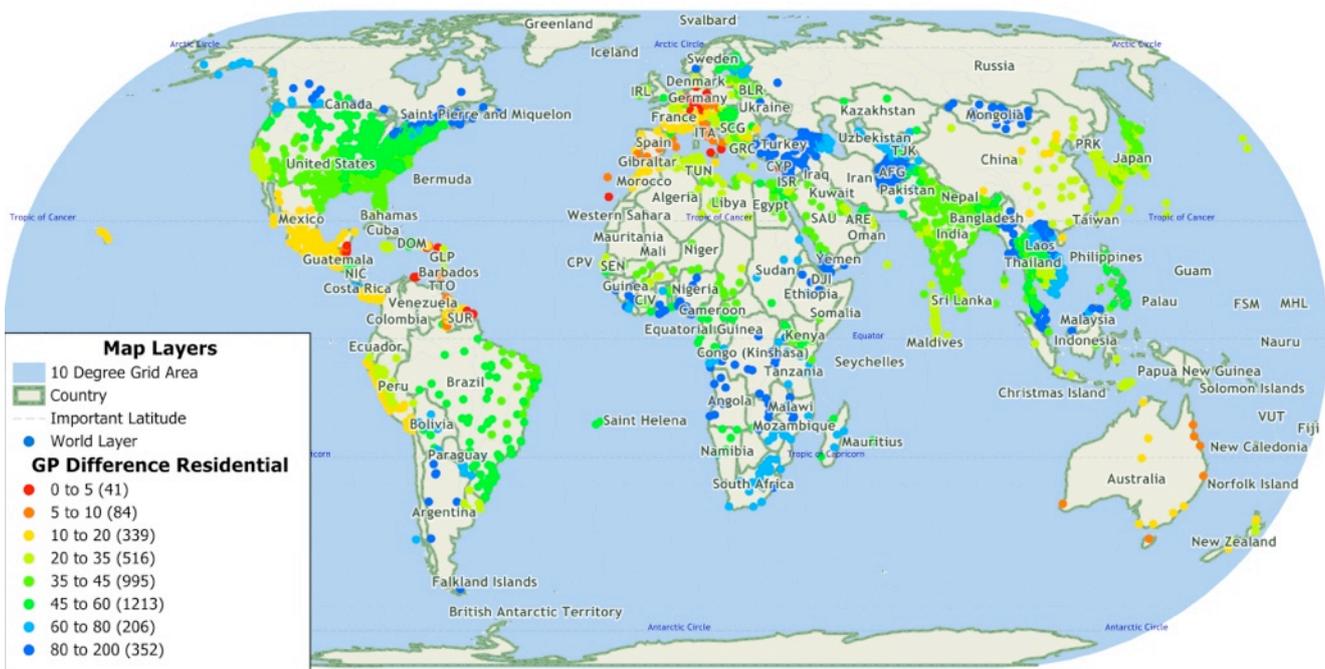
Where is grid parity happening?

This depends on many variables. Of course system prices and hours of sunshine are very important. But loan conditions and interest rates also play a significant role for the costs of each kWh of solar energy. This means that the prices of solar electricity are the cheapest in countries with good solar radiation, low solar systems prices and low cost of capital. The other decisive factor is the power of electricity. Our map overlays these aspects and demonstrates that they coincide sometimes but not always!



Who is behind this project?

This project was carried out by students of the TU Berlin’s class on “Solar Markets and Business Management” by Dr. Wörlén. This class takes place in the context of a two-year master program in English, “Global Production Engineering for Solar Technology” (GPE Solar). This degree program offers comprehensive qualification in the solar technologies photovoltaic and solar thermal systems. The course of studies is oriented around the requirements in commercial practice and takes all steps of the value-creating process into account; from production technology for solar components and planning, installation and operation of solar facilities to management, financing, law and marketing. GPE Solar is organized with support from the Renewables Academy AG (RENAC). Students come from all over the world to benefit from German solar competence and engineering. Find out more at: www.gpe.tu-berlin.de



The Renewables Academy AG (RENAC) offers trainings for technicians and engineers, developers and investors, lawyers and decision makers who want to learn the fundamentals about renewable energy and energy efficiency. RENAC is based in Berlin, Germany, and one of the leading international providers of education and training in the fields of renewable energy and energy efficiency. Since its founding in January 2008 over 1,500 participants from 96 countries worldwide have benefited from RENAC’s expertise. Find out more at: www.renac.de

Arepo Consult was founded by Dr. Christine Wörlén in 2009. The main areas of our consulting practice are national and international energy and climate policy, focusing on concepts and strategies in the area of renewable energy and energy efficiency as well as monitoring and evaluation of climate change policies. AREPO stands for „All on Renewable energy and energy Efficiency Policy“. We are convinced that the energy system is a dynamic system that will face fundamental challenges over the next 40 years everywhere on the globe. We work by describing these trends in analyses and models and support the relevant actors - governments, business and civil society- in understanding and utilizing these trends. Find out more at: www.arepo-consult.com

For more information on the map and its possibilities, contact Dr. Wörlén and Alex Han at pvm@arepo-consult.com.¹

¹ It is understood that at this point they cannot form a basis for investment decisions.