

SOLAR ENERGY DESIGN & ENGINEERING

WHAT IS SOLAR ENERGY?

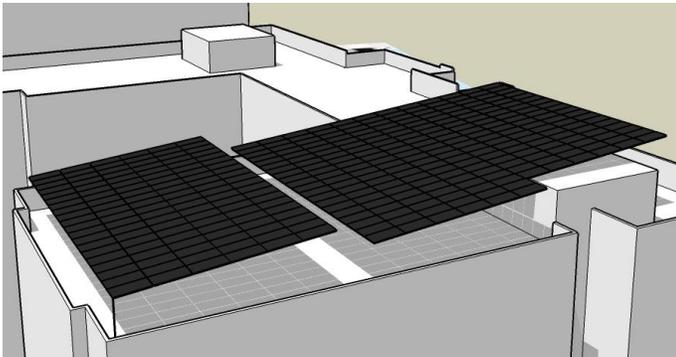
Solar electric panels (photovoltaics, or PV) generate electricity directly from sunlight, with no moving parts. PV is a proven, time-tested technology that's been around for over 50 years and powers everything from satellites to the White House to Walmart and Staples stores across the country. Decreasing panel prices combined with government incentives mean that solar projects often payback in less than 4 years, and provide low- to no-cost electricity for decades—making solar electricity a compelling option for offsetting energy costs in buildings with large, relatively clear roofs.



HOW CAN SOLAR PV HELP YOU?

Solar PV can help increase your building's value by reducing or eliminating your electric bill. Standard rate of return is over 12%, and equipment warranties of 25 years can earn significant returns over the life of the Solar PV system.

BRIGHT POWER provides PV solutions for both commercial and multi-family residential properties. Our solar team has the background, skills and experience to assess a site for solar feasibility and then design, engineer and install the system.



OUR SERVICES INCLUDE:

- Providing objective evaluations of your properties' potential for a solar PV system
- Handling the maze of Federal, State and City incentives that help make solar energy affordable
- Designing and installing the right system for you
- Providing remote monitoring systems to demonstrate the real time performance of your system
- Financing

How much can solar energy reduce electricity costs for you?

E-mail us at info@brightpower.com or call us at **212-803-5868** to talk about how solar can benefit you

View one of Bright Power's solar installations online at www.brightpower.com/dinkinsgardens



CASE STUDIES: PHOTOVOLTAIC SYSTEMS

Dinkins Gardens is an affordable housing development in upper Manhattan. **BRIGHT POWER** designed the building's **22 kiloWatt (kW)** solar system, and managed all aspects of the installation and maintenance training for building staff. The system, composed of 96 SunPower 230-Watt panels, now generates approximately 23,000 kiloWatt hours (kWh) a year of clean electricity for the building's public areas, representing an annual savings of about \$4,100, or \$118,000 over the 20-year warranty of the system (and most systems produce electricity for up to 40 years).



Bright Power solar installation at Dinkins Gardens



Dumont Green is a 176-unit, low-income rental building constructed by developer The Hudson Companies in the East New York neighborhood of Brooklyn. The eight-story building is home to an **80.5 kW** solar array designed by **BRIGHT POWER**, which is the largest solar electric system on a residential building in New York City. Made up of 350 American-made SunPower 230-Watt panels, the system will provide electric power to cover 80 percent of the requirements of the laundry facilities, elevators, common areas and security systems, representing **savings of about \$18,000 a year**.

Bright Power designed solar installation at Dumont Green

Via Verde is an affordable multifamily project in the South Bronx developed by Jonathan Rose Companies and Phipps Houses and designed by Dattner Architects and Grimshaw. Winner of the 2006 New Housing New York competition, the 300,000 square foot project consists of 151 units of affordable housing in 18 stories, and includes a **66 kW building-integrated photovoltaic system**, designed by **BRIGHT POWER**. With nearly 300 SunPower 230-Watt panels, the system is expected to produce 66,000 kWh annually, taking over \$13,000 off the building's common area electricity costs annually.



Bright Power-designed solar installation at Via Verde

