Pre-Packaged Systems

Kyocera Solar, Inc. specializes in pre-packaged, integrated solar electric systems for all power applications. The applications include residential power for stand-alone and utility interactive buildings, RV/Marine, water pumping and industrial remote power systems (telecommunication, oil & gas, traffic signals, and medical). The most popular system configurations for residential applications are represented in this catalog; however, systems requiring larger power requirements and other system components can be provided. Call your Kyocera Authorized Dealer for more information and design assistance.

MyGen Grid-Tie PV Power Systems

The MyGen Grid-Tie Photovoltaic (PV) Power System consists of photovoltaic modules, a direct current to alternating current (DC-to-AC) power conversion device, DC wiring, DC and AC overcurrent protection, surge protection, component mounting and mechanical support.

The MyGen System is designed for use on residential and small commercial buildings of typical construction. Photovoltaic mounting is rafter-secured for structural compliance with most local building codes.

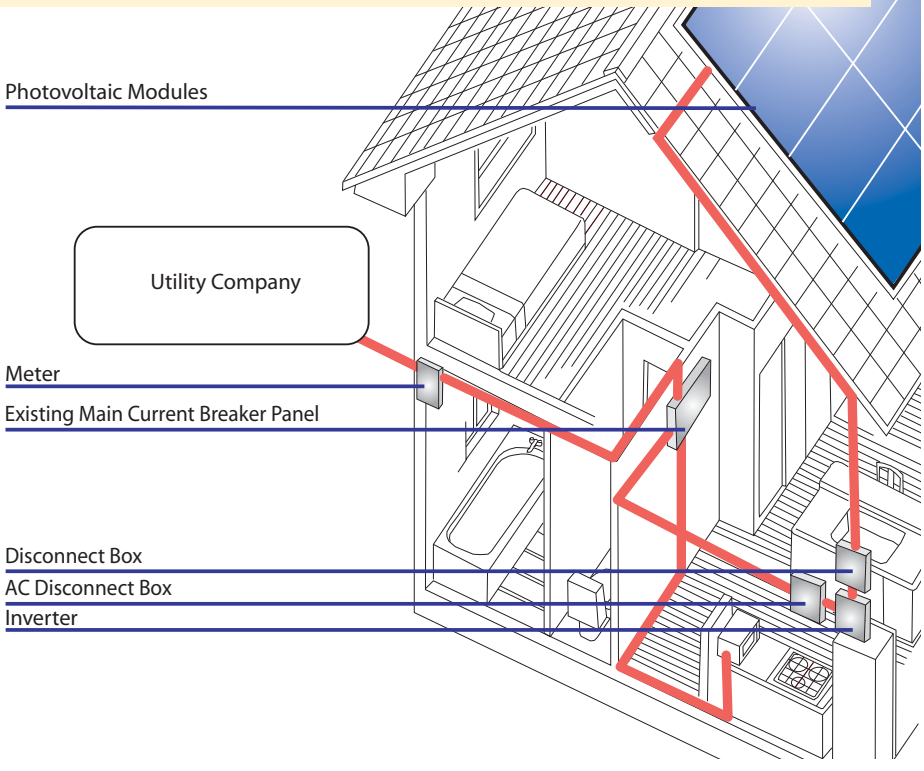
Features

- Worry-free operation with virtually no maintenance
- 20 year limited warranty on module power output
- 10 year limited warranty on inverter
- 2 year limited warranty on module materials and workmanship
- KD180GX-LP has 48 multi-crystalline cells connected in series
- Complete Kyocera documentation for easy installation and permitting
- All original manufacturers' documentation; including user manuals and warranty statements

Quality Assurance

Kyocera multi-crystal photovoltaic modules exceed government specifications for the following tests:

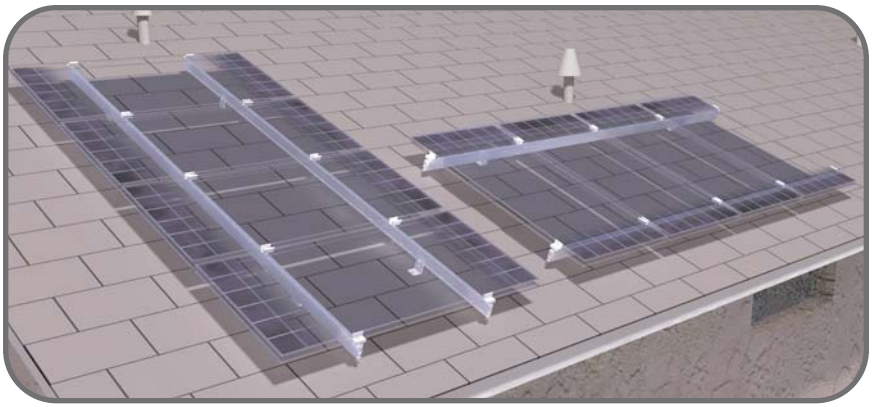
- Thermal cycling test
- Thermal shock test
- Thermal/Freezing and high humidity cycling test
- Electrical insolation test
- Hail impact test
- Mechanical, wind and twist loading test
- Salt mist test
- Light and water exposure test
- Field exposure test



Kyocera Solar, Inc. is a proud member of the U.S. Green Building Council to promote environmentally responsible and resource-efficient building structures.

E-mail: MyGen-info@kyocera.com

The MyGen Systems are designed for use on residential and small commercial buildings and are ideal for either new construction or retrofit applications. The easy to install systems are compatible with a wide variety of roof types and materials. MyGen Systems feature solar modules integrated into arrays that can be sized to meet a wide range of power requirements for maximum flexibility. MyGen Systems include all the components necessary for a complete installation.



	MyGen Economy	MyGen Small	MyGen Medium	MyGen Large	MyGen Mega
Part Number	**602460**	**602461**	**602462**	**602463**	**602464**
Price	**$10,080.00**	**$15,120.00**	**$25,200.00**	**$30,240.00**	**$35,280.00**
STC-Lab Rated Power[1,2] *(DC Watts)*	1440	2160	3600	4320	5040
PTC-Lab Rated Power[1,2] *(DC Watts)*	1248	1872	3120	3744	4368
KD185GX-LP *Quantity*	8	12	20	24	28
Inverter Efficiency	90.5%	92.0%	93.5%	95.5%	96.0%
PV Panel+Mount Weight (lbs.)	420.0	560.0	700.0	700.0	875.0
String Quantity	1	1	2	2	2
Weight (lbs.) /Pallets / Bundles	610 / 2 / 1	765 / 2 / 1	1051 / 2 / 1	1397 / 3 / 1	1594 / 3 / 1

(1) Standard Test Conditions (STC) of 1000 Watts per square meter irradiance, air mass of 1.5, 25°C cell temperature used in lab testing and rating of photovoltaic modules. These conditions are only experienced in a laboratory setting.
(2) The actual energy output in kilowatt-hours your system will produce each month is a function of many site specific and instantaneous variable s including the operating temperature of the PV modules, the amount of solar radiation reaching the modules, the roof angle, the array orientation relative to south ("azimuth"), shading effects, soiling and installation quality.

The MyGen Grid-Connected Residential System must be installed by a licensed electrician and/or a licensed solar contractor.

Kyocera Integrated PV Power Systems

Kyocera Solar, Inc. serves the widely varying needs of customers for distributed solar power through two major market channels. Industrial customers, such as original equipment manufacturers, government organizations, utilities, corporate clients, and institutions, are serviced directly with fully integrated systems packages. Kyocera Solar, Inc. also services a global network of more than 500 authorized distributors and dealers with components, packaged systems, engineering, technical support, project management, sales aids, and training.

At Kyocera Solar, Inc. Corporate Headquarters, teams of solar engineers and technicians assemble and integrate thousands of complete solar electric systems for immediate on-site deployment by the customer. These systems range from specialty industrial modules to container mounted communication systems for shipment overseas. Modules are integrated by Kyocera for use in these systems.

From large megawatt power plants to small trickle chargers, Kyocera solar products are backed by experience and technology you can rely on for all of your photovoltaic applications.

Kyocera Solar System Applications

Telecommunications

Kyocera has worldwide experience in providing reliable and economical solar electric systems for remote power solutions. Typical applications powered by solar electricity include microwave repeaters, base stations, VSATs, and WLL telecommunication systems.

Traffic Signaling

Solar powered traffic systems are located primarily in urban settings. Because the cost associated with installing a transformer and underground cable is substantial, solar electric power offers a reliable, cost-effective solution.

RV & Marine

Solar electric power systems are important for people on the go. Whether the system is installed on a camper, 5th wheel, self-contained RV, motor coach or marine pleasure craft, solar energy can provide the necessary electricity. These systems easily integrate into on-board battery systems and complement existing means of power production.

Oil & Gas

Wireless solar electric power is a logical solution for the remote energy needs of the oil & gas industry . Thousands of integrated systems now operate worldwide, delivering reliable, cost-effective electricity for pipeline monitoring, telemetry, offshore drilling rigs, and cathodic protection.

Railroad Signaling

Remote signaling for railroad applications is a Kyocera specialty. Systems ranging from small two-volt track circuits to larger intermediate signaling systems are custom-engineered to meet the demanding requirements of the railroad industry.

Water Pumping

Kyocera modules are ideal for solar-electric water pumping systems. These systems replace generator or hand-powered pumps, and are able to affordably deliver a usable quantity of water with no fuel cost and little maintenance. Solar water delivery systems are used for both community and livestock applications

Commercial Grid-Tie Systems

Solar "grid-tie" systems on commercial buildings can be a cost-effective alternative to the replacement of old, underground electricity distribution feeder systems. PV systems can be incorporated into rural or urban settings with equal ease.

Lighting

Kyocera's solar lighting systems are used in a variety of applications, including street/parking lots, billboard/highway signage, and bus/transit shelters.

Remote Homes

Solar electric systems are ideal for those who choose to live beyond the reach of conventional electric power. Kyocera has provided thousands of residential solar electric systems across the globe. These systems can be delivered fully integrated for ground mounting or installed on a rooftop or stand-alone structure.

Rural Development Vaccine Refrigeration

Kyocera has supplied thousands of systems worldwide to serve remote locations and improve the quality of life. Individuals and professional organizations are increasingly turning to solar electricity for lighting homes, pumping clean drinking water, refrigerating vaccines, and powering schools.