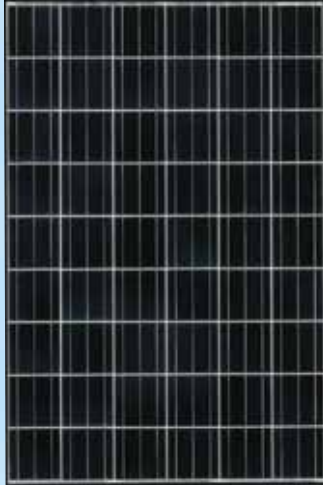


New Zero Tolerance
Greater Field Performance



210 WATT

HIGH EFFICIENCY MULTICRYSTAL
PHOTOVOLTAIC MODULE



KD210GX-LPU

NEC 2008 Compliant
UL 1703, ISO 9001
and ISO 14001
Certified and Registered
Class C IEC 61215



Cutting Edge Technology

As a pioneer with 35 years in solar, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

Quality Built In

- New frame technology allows for end mounting with 2400 Pa (50 psf) load
- UV stabilized, aesthetically pleasing black anodized frame
- Supported by major mounting structure manufacturers
- Easily accessible grounding points on all four corners for fast installation
- Proven junction box technology
- Quality locking plug-in connectors to provide safe & quick connections

Fully Integrated Manufacturing

Kyocera manufactures and assembles solar cells and modules at its own worldwide production sites using a true vertical integration process. This superior approach gives Kyocera complete control over every step of the manufacturing process, producing modules with the industry's tightest power tolerance, promising high quality and efficiency.

Reliable

- Superior built-in quality
- Proven superior field performance
- Tight power tolerance

Warranty

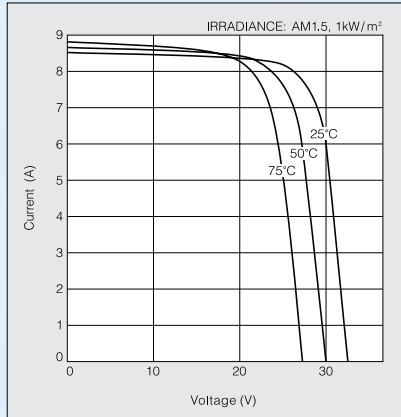
- Kyocera standard 20 year power output warranty and 5 year workmanship warranty applies in USA
- Extended warranties available per project requirements
- Kyocera standard 20 year power output warranty and 2 year workmanship warranty applies outside of USA
- Refer to Kyocera warranty policy for details



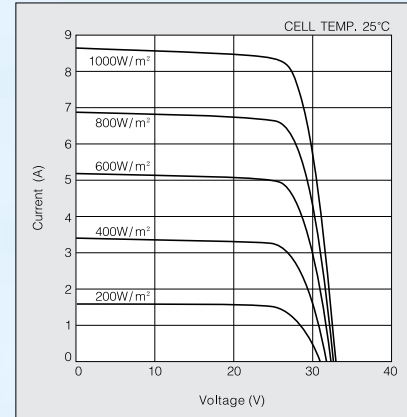
KD210GX-LPU

ELECTRICAL CHARACTERISTICS

Current-Voltage characteristics of Photovoltaic Module KD210GX-LPU at various cell temperatures



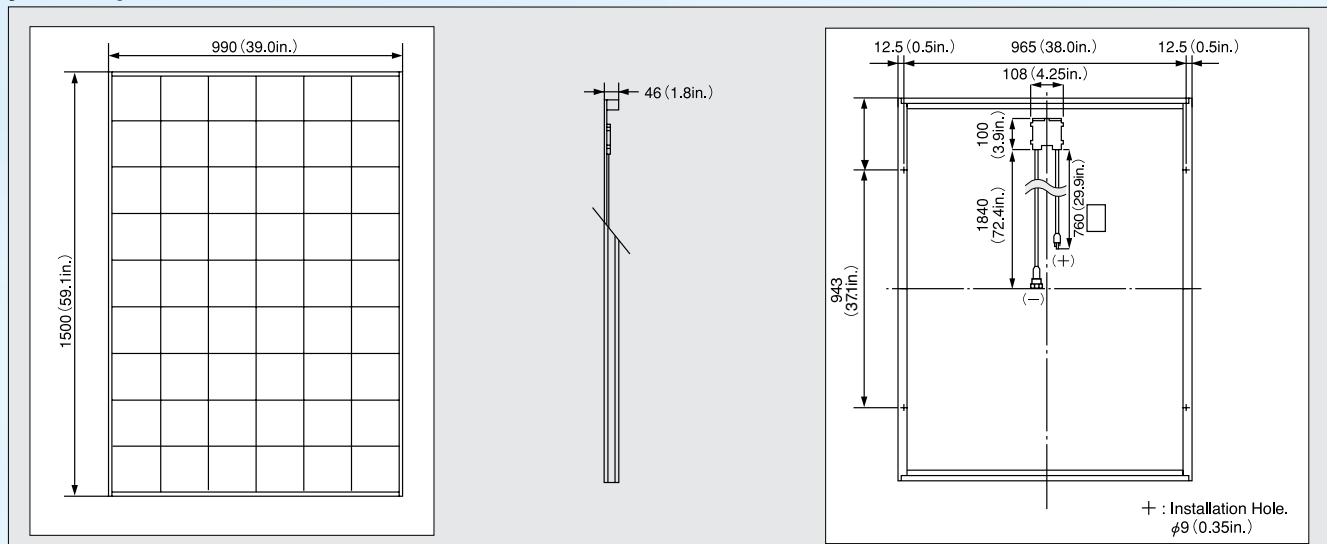
Current-Voltage characteristics of Photovoltaic Module KD210GX-LPU at various irradiance levels



SPECIFICATIONS

Physical Specifications

Unit : mm (in.)



Specifications

Electrical Performance under Standard Test Conditions (*STC)

| | |
|--|-----------------------------|
| Maximum Power (P _{max}) | 210W (+5W/-0W) |
| Maximum Power Voltage (V _{mpp}) | 26.6V |
| Maximum Power Current (I _{mpp}) | 7.90A |
| Open Circuit Voltage (V _{oc}) | 33.2V |
| Short Circuit Current (I _{sc}) | 8.58A |
| Max System Voltage | 600V |
| Temperature Coefficient of V _{oc} | -1.20×10 ⁻¹ V/°C |
| Temperature Coefficient of I _{sc} | 5.15×10 ⁻³ A/°C |

*STC : Irradiance 1000W/m², AM1.5 spectrum, cell temperature 25°C

Electrical Performance at 800W/m², *NOCT, AM1.5

| | |
|---|-------|
| Maximum Power (P _{max}) | 149W |
| Maximum Power Voltage (V _{mpp}) | 23.6V |
| Maximum Power Current (I _{mpp}) | 6.32A |
| Open Circuit Voltage (V _{oc}) | 30.0V |
| Short Circuit Current (I _{sc}) | 6.62A |

*NOCT (Nominal Operating Cell Temperature) : 47.9°C

ISO 9001 and ISO 14001 Certified and Registered
Design and specifications are subject to change without notice.

www.kyocerasolar.com
800-223-9580 toll free 800-523-2329 fax

Cells

| | |
|-------------------|----|
| Number per Module | 54 |
|-------------------|----|

Module Characteristics

| | |
|------------------------|--|
| Length × Width × Depth | 1500mm(59.1in)×990mm(39.0in)×46mm(1.8in) |
| Weight | 18kg(39.7lbs.) |
| Cable | (+)760mm(29.9in),(-)1840mm(72.4in) |

Junction Box Characteristics

| | |
|------------------------|---------------------------------------|
| Length × Width × Depth | 100mm(3.9in)×108mm(4.3in)×15mm(0.6in) |
| IP Code | IP65 |

Others

| | |
|------------------------|------------|
| *Operating Temperature | -40°C~90°C |
| Maximum Fuse | 15A |

*This temperature is based on cell temperature.

