

# 225 WATT

## HIGH EFFICIENCY MULTICRYSTAL PHOTOVOLTAIC MODULE



### **KD225GX-LPB**

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



#### **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**

- 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 with PV wire to work with transformerless inverters
- Quality locking plug-in connectors to provide safe & quick connections
- Support bars added for improved stability

#### **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 promising high quality and efficiency.


#### **Reliable**

- Superior built-in quality
- Proven superior field performance

#### **Warranty**

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

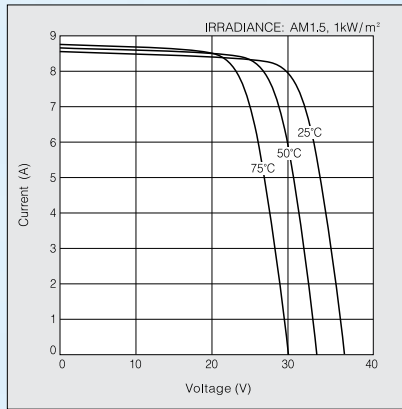
#### **Compatibility**

- Compatible with Enphase Energy microinverters 

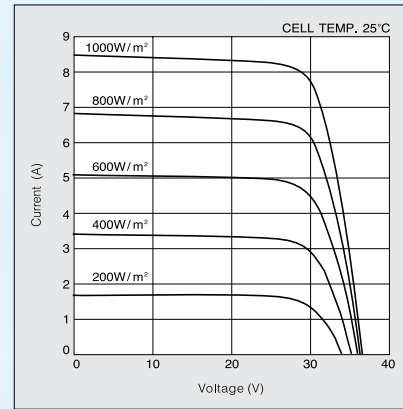
# KD225GX-LPB

## ELECTRICAL CHARACTERISTICS

Current-Voltage characteristics of Photovoltaic Module KD225GX-LPB at various cell temperatures



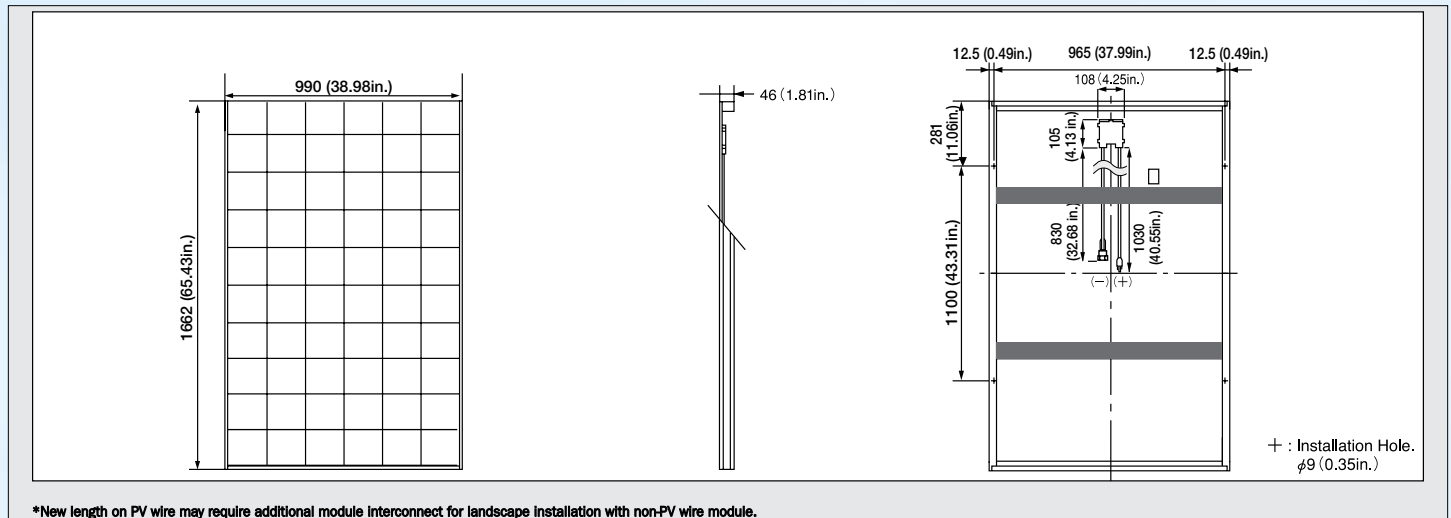
Current-Voltage characteristics of Photovoltaic Module KD225GX-LPB at various irradiance levels



## SPECIFICATIONS

### Physical Specifications

Unit : mm (in.)



### Specifications

#### Electrical Performance under Standard Test Conditions (\*STC)

Maximum Power (P <sub>max</sub> )	225W (+5% / -3%)
Maximum Power Voltage (V <sub>mpp</sub> )	29.8V
Maximum Power Current (I <sub>mpp</sub> )	7.55A
Open Circuit Voltage (V <sub>oc</sub> )	36.9V
Short Circuit Current (I <sub>sc</sub> )	8.18A
Max System Voltage	600V
Temperature Coefficient of V <sub>oc</sub>	-1.33x10 <sup>-1</sup> V/°C
Temperature Coefficient of I <sub>sc</sub>	4.91x10 <sup>-3</sup> A/°C

\*STC : Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, cell temperature 25°C

#### Electrical Performance at 800W/m<sup>2</sup>, \*NOCT, AM1.5

Maximum Power (P <sub>max</sub> )	159W
Maximum Power Voltage (V <sub>mpp</sub> )	26.4V
Maximum Power Current (I <sub>mpp</sub> )	6.04A
Open Circuit Voltage (V <sub>oc</sub> )	33.3V
Short Circuit Current (I <sub>sc</sub> )	6.63A

\*NOCT (Nominal Operating Cell temperature): 47.9°C

#### ISO 9001 and ISO 14001 Certified and Registered

Kyocera reserves the right to modify these specifications without notice.

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

#### Cells

Number per Module	60
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#### Module Characteristics

Length x Width x Depth	1662mm (65.43in) x 990mm (38.98in) x 46mm (1.81in)
Weight	21.0kg (46.3 lbs)
Cable	(+)1030mm (40.55in), (-)830mm (32.68in)

#### Junction Box Characteristics

Length x Width x Depth	105mm (4.13in) x 108mm (4.25in) x 20mm (0.79in)
IP Code	IP65

#### Others

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

\*This Temperature is based on cell

