

New Release **235 WATT**

HIGH EFFICIENCY MULTICRYSTAL PHOTOVOLTAIC MODULE



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

- 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 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

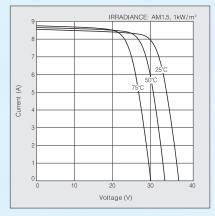
Compatibility

Compatible with Enphase Energy microinverters [e] enphase

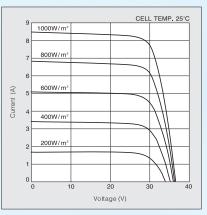
SOLAR by KYOCERA

KD235GX-LPB ELECTRICAL CHARACTERISTICS

Current-Voltage characteristics of Photovoltaic Module KD235GX-LPB at various cell temperatures

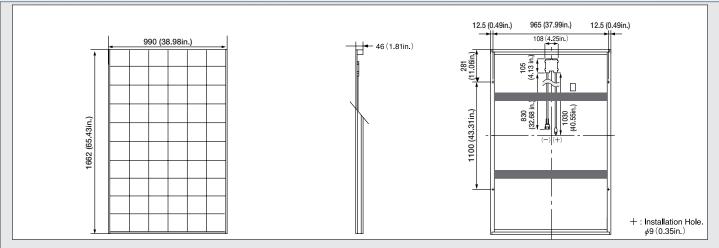


Current-Voltage characteristics of Photovoltaic Module KD235GX-LPB at various irradiance levels



SPECIFICATIONS

Physical Specifications



*New length on PV wire may require additional module interconnect for landscape installation with non-PV wire module.

Specifications

Electrical Performance under Standard Test Conditions (*STC)	
Maximum Power (Pmax)	235W (+5% / -3%)
Maximum Power Voltage (Vmpp)	29.8V
Maximum Power Current (Impp)	7.89A
Open Circuit Voltage (Voc)	36.9V
Short Circuit Current (lsc)	8.55A
Max System Voltage	600V
Temperature Coefficient of Voc	-1.33x10 ⁻¹ V/ºC
Temperature Coefficient of Isc	5.13x10 ⁻³ A/°C
*STC : Irradiance 1000W/m ² , AM1.5 spectrum, cell temperature	re 25°C
Electrical Performance at 800W/m ² , *NO	CT, AM1.5
Maximum Power (Pmax)	166W
Maximum Power Voltage (Vmpp)	26.4V
Maximum Power Current (Impp)	6.31A
Open Circuit Voltage (Voc)	33.3V
Short Circuit Current (Isc)	6.93A
*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
Module Characteristics	
Length × Width × Depth	1662mm (65.43in) x 900mm (38.98in) x 46mm (1.81in)
Weight	21.0kg (46.3 lbs)
Cable	(+)1030mm (40.55in),(-)830mm (32.68in)
Junction Box Characteristics	
Length × Width × 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	



Unit : mm (in)