KYOCERA

August 2010 Release
Preliminary Specifications

215 WATT

HIGH EFFICIENCY MULTICRYSTAL PHOTOVOLTAIC MODULE

KD215GX-LFBS

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

c UL us

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) and traditional mounting under 5400 Pa (113 psf) to support increased snow 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 with PV wire to work with transformerless inverters
- Quality locking plug-in connectors to provide safe & quick connections

New Process Improvements
- All solar cells are fabricated with a new proprietary etching and coating process which translates into a 'smoother' appearance while maintaining the same gridline and bus-bar design.
- All modules have added crossbars on the back side of the module for greater support and stability in harsh conditions, including high wind and snow load regions.

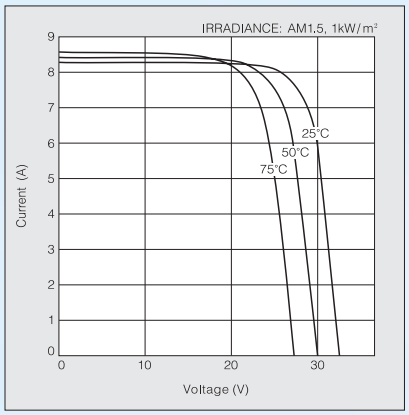
Reliable
- Superior built-in quality
- Proven superior field performance
- Tight power tolerance

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

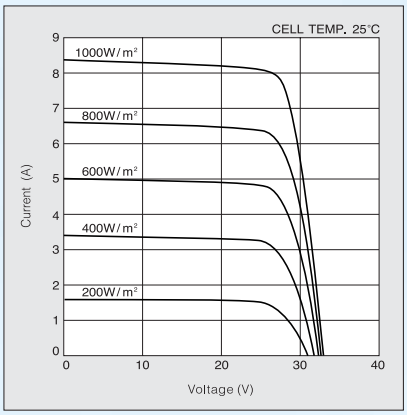
KD215GX-LFBS

ELECTRICAL CHARACTERISTICS

Current-Voltage characteristics of Photovoltaic Module KD 215GX-LFBS at various cell temperatures



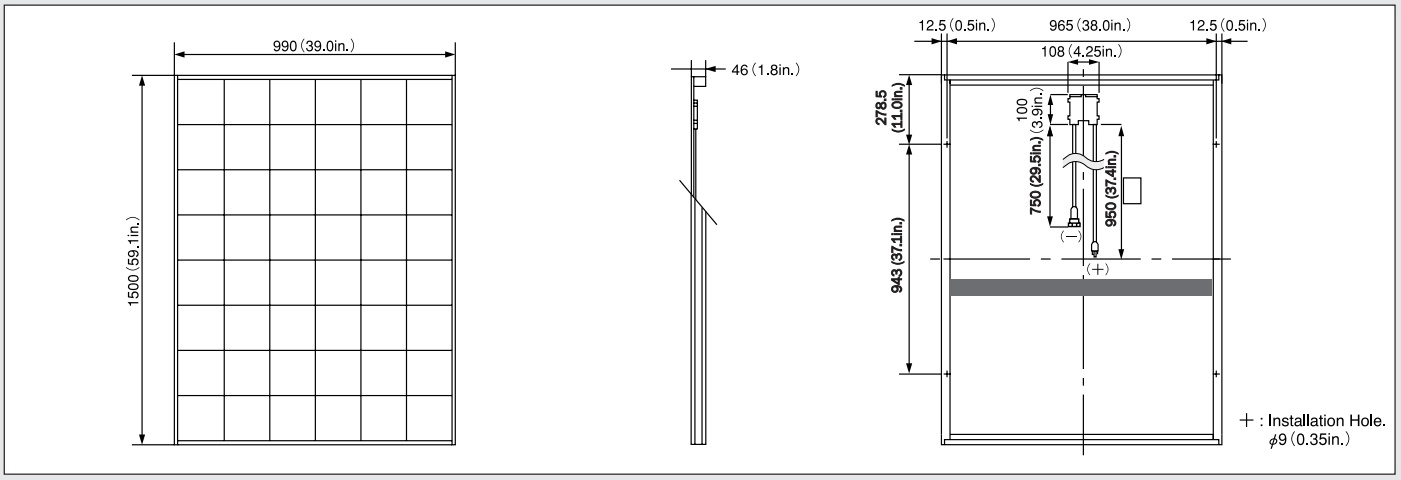
Current-Voltage characteristics of Photovoltaic Module KD 215GX-LFBS at various irradiance levels



SPECIFICATIONS

Physical Specifications

Unit : mm (in)



*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)	215W (+5W/−0W)
Maximum Power Voltage (Vmpp)	26.6V
Maximum Power Current (Impp)	8.09A
Open Circuit Voltage (Voc)	33.2V
Short Circuit Current (Isc)	8.78A
Max System Voltage	600V
Temperature Coefficient of Voc	-1.20×10^{-1} V/℃
Temperature Coefficient of Isc	5.27×10^{-3} A/℃

*STC : Irradiance 1000W/m², AM1.5 spectrum, cell temperture 25℃

Electrical Performance at 800W/m², *NOCT, AM1.5	
Maximum Power (Pmax)	152W
Maximum Power Voltage (Vmpp)	23.6V
Maximum Power Current (Impp)	6.47A
Open Circuit Voltage (Voc)	30.0V
Short Circuit Current (Isc)	7.12A

*NOCT (Nominal Operating Cell Temperature) : 47.9℃

Cells	
Number per Module	54

Module Characteristics	
Length × Width × Depth	1500mm(59.1in)×990mm(39.0in)×46mm(1.8in)
Weight	18kg(39.7lbs.)
Cable	(+)950mm(37.4in),(-)750mm(29.5in)

Junction Box Characteristics	
Length × Width × Depth	100mm(3.9in)×108mm(4.3in)×15mm(0.6in)
IP Code	IP65

Others	
*Operating Temperature	−40℃～90℃
Maximum Fuse	15A

*This temperature is based on cell temperature.

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

KYOCERA