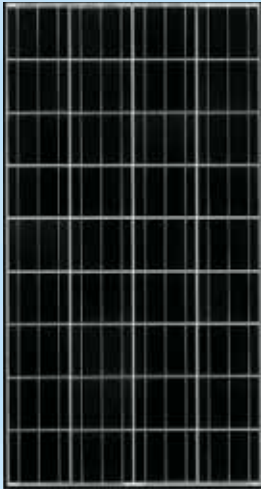


New Zero Tolerance
Greater Field Performance



135 WATT

HIGH EFFICIENCY MULTICRYSTAL
PHOTOVOLTAIC MODULE



KD135GX-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

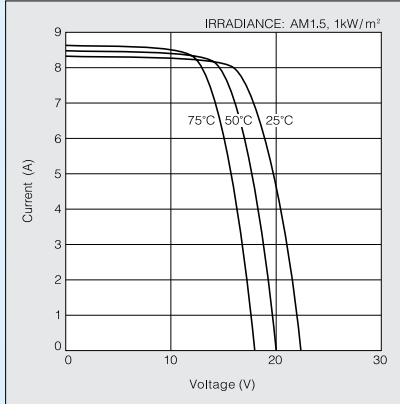
- Kyocera standard 20 year power output warranty and 5 year workmanship warranty applies in USA
- Extended warranties available per project requirements
- Kyocera standard 20 year power output warranty and 2 year workmanship warranty applies outside of USA
- Refer to Kyocera warranty policy for details



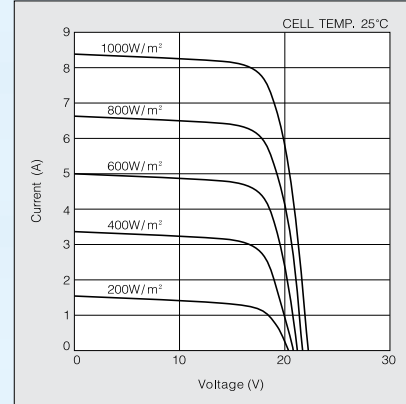
KD135GX-LPU

ELECTRICAL CHARACTERISTICS

Current-Voltage characteristics of Photovoltaic Module KD135GX-LPU at various cell temperatures



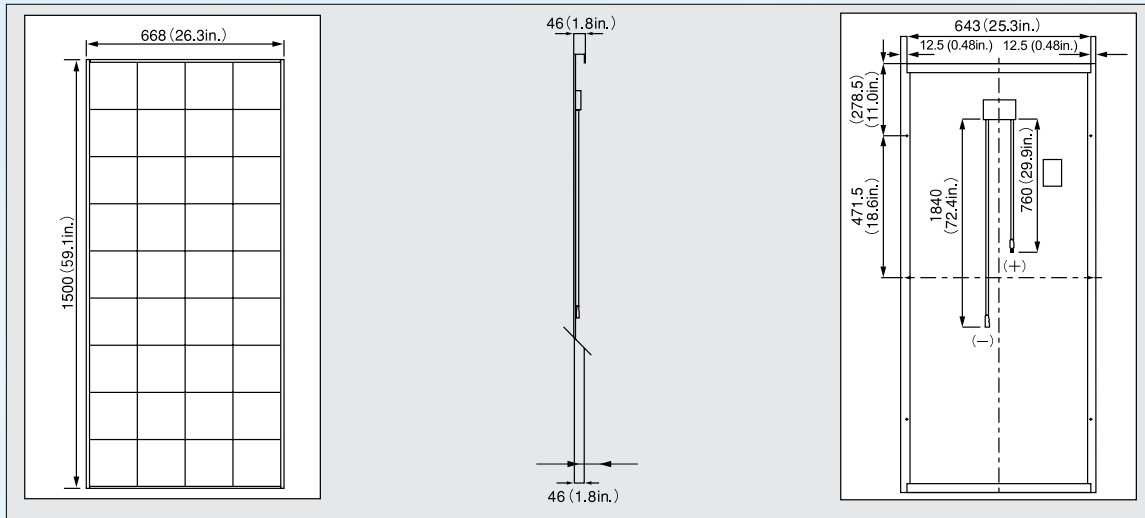
Current-Voltage characteristics of Photovoltaic Module KD135GX-LPU at various irradiance levels



SPECIFICATIONS

Physical Specifications

Unit : mm (in.)



Specifications

Electrical Performance under Standard Test Conditions (*STC)

Maximum Power (Pmax)	135W (+5%/−5%)
Maximum Power Voltage (Vmpp)	17.7V
Maximum Power Current (Impp)	7.63A
Open Circuit Voltage (Voc)	22.1V
Short Circuit Current (Isc)	8.37A
Max System Voltage	600V
Temperature Coefficient of Voc	-8.0×10^{-2} V/°C
Temperature Coefficient of Isc	5.02×10^{-3} A/°C

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

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

Maximum Power (Pmax)	95W
Maximum Power Voltage (Vmpp)	15.7V
Maximum Power Current (Impp)	6.10A
Open Circuit Voltage (Voc)	20.0V
Short Circuit Current (Isc)	6.79A

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

Cells

Number per Module	36
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Module Characteristics

Length × Width × Depth	1500mm(59.1in.)×668mm(26.3in.)×46mm(1.8in.)
Weight	12.5kg (27.5lbs.)
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.

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

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