



# KD 315-80 P Series

(Pending UL Certification)

## CUTTING EDGE TECHNOLOGY

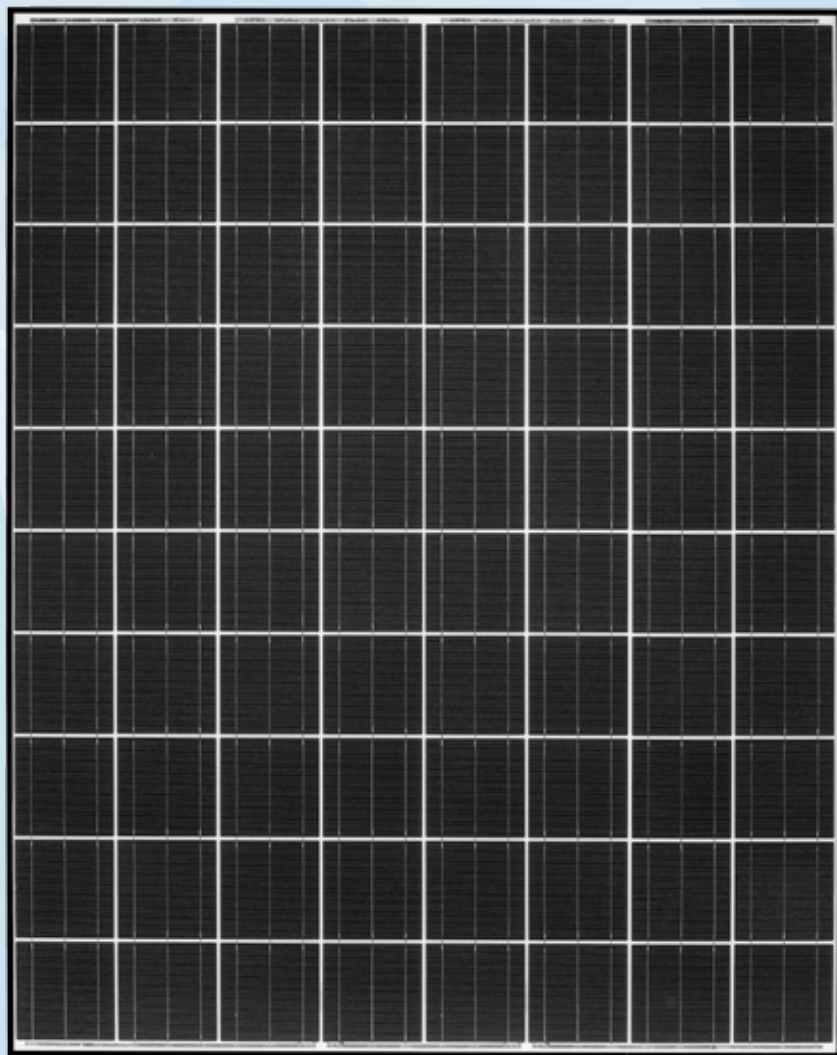
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

## 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 12 AWG PV wire to work with transformerless inverters
- Quality locking MC4 plug-in connectors to provide safe and quick connections

## RELIABLE

- Proven superior field performance
- Tight power tolerance
- Only module manufacturer to pass rigorous long-term testing performed by TÜV Rheinland



## 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

## QUALIFICATIONS AND CERTIFICATIONS

UL Listing  
QIGU.E173074



Registered to ISO9001-2000

NEC 2008 Compliant, UL 1703, ISO 9001, and ISO 14001  
UL1703 Certified and Registered, UL Fire Safety Class C, CEC, FSEC  
Certified IEC61215 Ed 2 IEC61730 by JET



**QUALIFIED FOR "BUY AMERICAN"**  
Manufactured in San Diego, California

- Available Upon Request •

## ELECTRICAL SPECIFICATIONS

## MECHANICAL SPECIFICATIONS

**Standard Test Conditions (STC)**  
 STC = 1000 W/M<sup>2</sup> irradiance, 25°C module temperature, AM 1.5 spectrum\*

KD315GX-LPB (Preliminary)		
P <sub>mp</sub>	315	W
V <sub>mp</sub>	39.8	V
I <sub>mp</sub>	7.92	A
V <sub>oc</sub>	49.2	V
I <sub>sc</sub>	8.50	A
P <sub>tolerance</sub>	+5/-3	%

**Nominal Operating Cell Temperature Conditions (NOCT)**  
 NOCT = 800 W/M<sup>2</sup> irradiance, 20°C ambient temperature, AM 1.5 spectrum\*

T <sub>NOCT</sub>	45	°C
P <sub>max</sub>	226	W
V <sub>mp</sub>	35.8	V
I <sub>mp</sub>	6.34	A
V <sub>oc</sub>	45.0	V
I <sub>sc</sub>	6.88	A

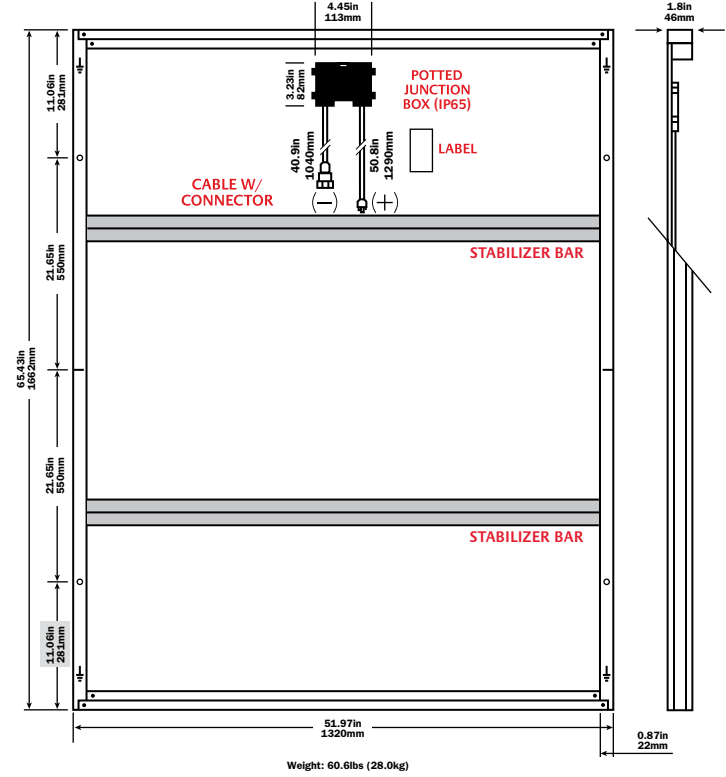
### Temperature Coefficients

P <sub>max</sub>	-0.51	%/°C
V <sub>mp</sub>	-0.52	%/°C
I <sub>mp</sub>	0.0064	%/°C
V <sub>oc</sub>	-0.36	%/°C
I <sub>sc</sub>	0.061	%/°C
Operating Temp	-40 to +90	%/°C

### System Design

Series Fuse Rating	15 A
Maximum DC System Voltage (UL)	600 V
Hailstone Impact	1 in (25mm) @ 51mph (23m/s)

\* Subject to simulator measurement uncertainty of +/- 3%.  
 KYOCERA reserves the right to modify these specifications without notice.



NEC 2008 COMPLIANT  
 UL 1703 LISTED  
 CERTIFIED IEC61215 ED2 IEC61730 BY JET

**WARNING:** Read the instruction manual in its entirety prior to handling, installing & operating Kyocera Solar modules.

**Legend**

- MOUNTING HOLES .35in (9mm)
- DRAINAGE HOLES
- ⊕ GROUND SYMBOL .35in (9mm)

081211

OUR VALUED PARTNER