



KD 315-80 P Series

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

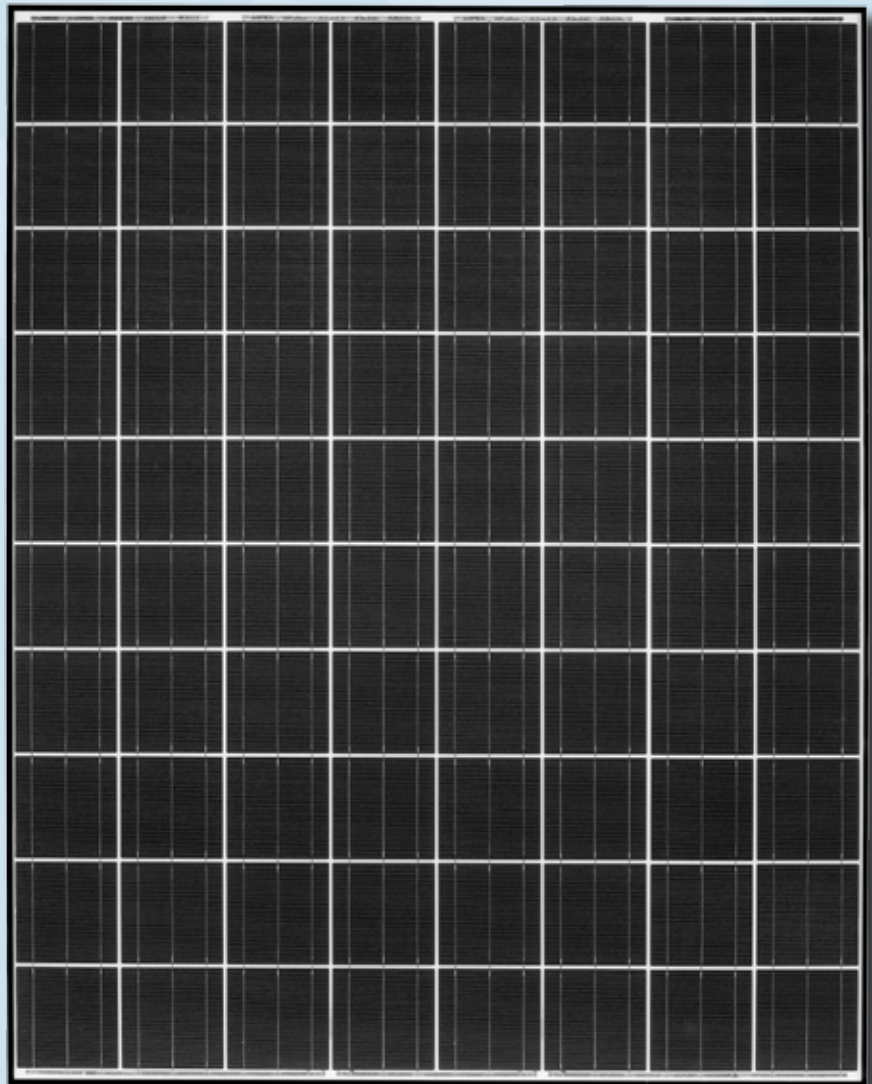
- UV stabilized, aesthetically pleasing black anodized frame
- Supported by major mounting structure manufacturers
- Easily accessible grounding points on all four corners for fast installation
- Proven junction box technology with 12 AWG PV wire to work with transformerless inverters
- Quality locking MC4 plug-in connectors to provide safe and quick connections

RELIABLE

- 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



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

ELECTRICAL SPECIFICATIONS

Standard Test Conditions (STC)
 STC = 1000 W/M² irradiance, 25°C module temperature, AM 1.5 spectrum

KD315GX-LPB (Preliminary)		
P_{mp}^2	315	W
V_{mp}	40.1	V
I_{mp}	7.86	A
V_{oc}	49.5	V
I_{sc}	8.42	A
P tolerance	+5/-3	%

Nominal Operating Cell Temperature Conditions (NOCT)
 NOCT = 800 W/M² irradiance, 20°C ambient temperature, AM 1.5 spectrum

T_{NOCT}	45	°C
P_{max}	226	W
V_{mp}	36.0	V
I_{mp}	6.29	A
V_{oc}	45.3	V
I_{sc}	6.82	A

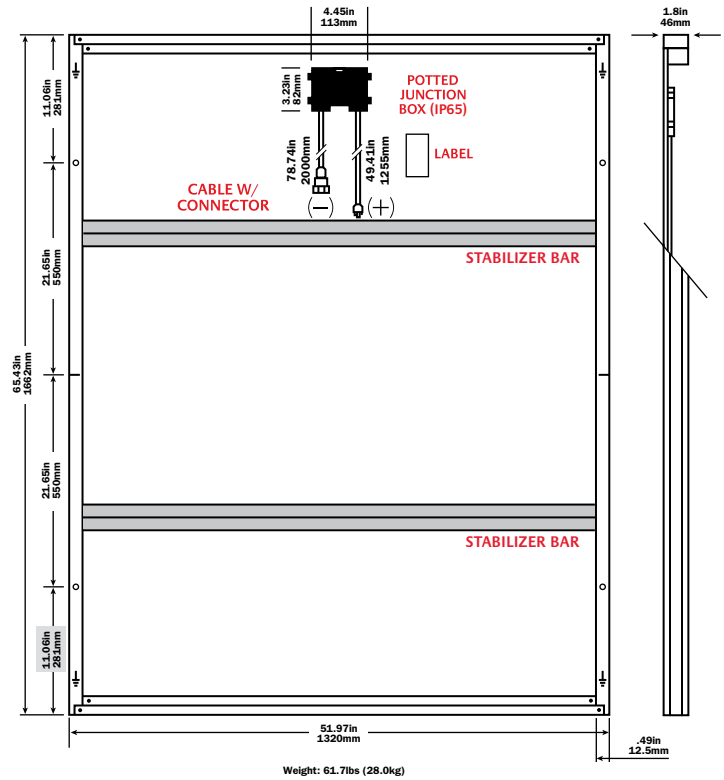
Temperature Coefficients

P_{max}	TBD	W/°C
V_{oc}	TBD	V/°C
I_{sc}	TBD	A/°C
Operating Temp	TBD	°C

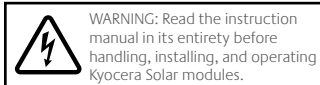
System Design

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

MECHANICAL SPECIFICATIONS



NEC 2008 COMPLIANT
 UL 1703 LISTED
 CERTIFIED IEC61215 ED2 IEC61730 BY JET
 KYOCERA reserves the right to modify these specifications without notice.
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OUR VALUED PARTNER