



KD 315-80 P Series

(Pending U.S. Approval)

CUTTING EDGE TECHNOLOGY

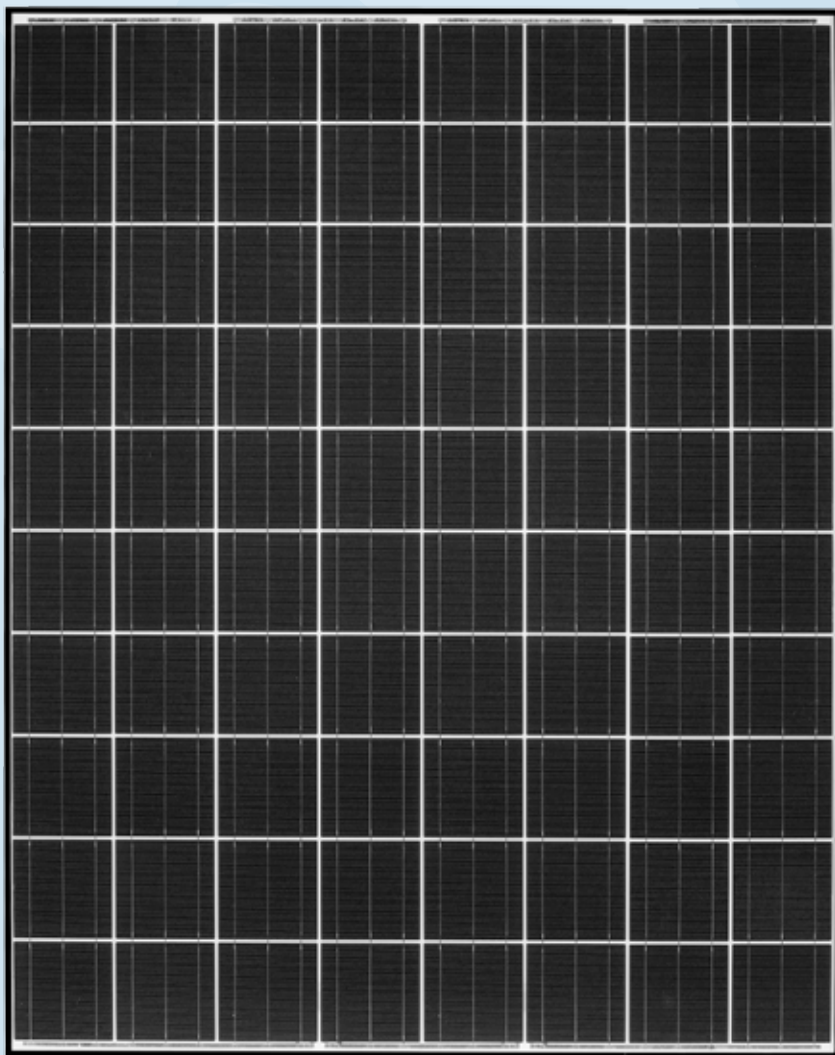
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

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



QUALIFICATIONS AND CERTIFICATIONS



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



ELECTRICAL SPECIFICATIONS

Standard Test Conditions (STC) <i>STC = 1000 W/M² irradiance, 25°C module temperature, AM 1.5 spectrum*</i>		
KD315GX-LPB		
P _{mp}	315	W
V _{mp}	39.8	V
I _{mp}	7.92	A
V _{oc}	49.2	V
I _{sc}	8.50	A
P _{tolerance}	+5/-3	%

Nominal Operating Cell Temperature Conditions (NOCT) <i>NOCT = 800 W/M² irradiance, 20°C ambient temperature, AM 1.5 spectrum*</i>		
T _{NOCT}	45	°C
P _{max}	226	W
V _{mp}	35.8	V
I _{mp}	6.34	A
V _{oc}	45.0	V
I _{sc}	6.88	A

Temperature Coefficients		
P _{max}	-0.51	%/°C
V _{mp}	-0.52	%/°C
I _{mp}	0.0064	%/°C
V _{oc}	-0.36	%/°C
I _{sc}	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	1in (25mm) @ 51mph (23m/s)

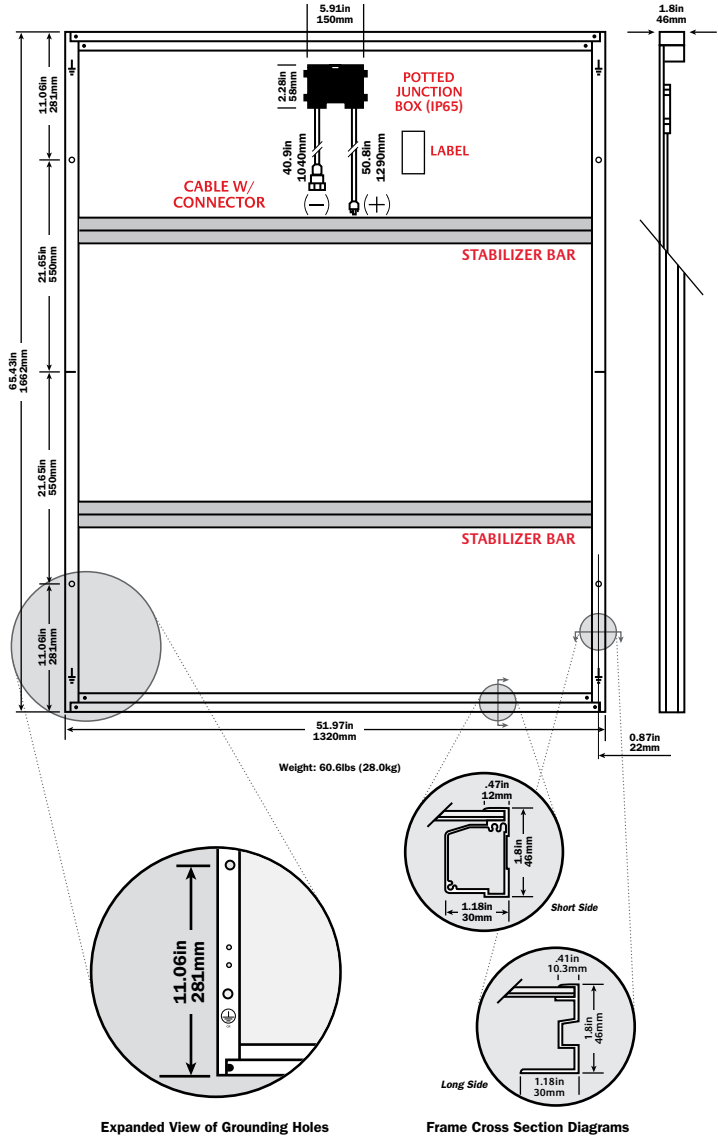
* Subject to simulator measurement uncertainty of +/- 3%. KYOCERA reserves the right to modify these specifications without notice.

MODULE CHARACTERISTICS

Dimensions: <i>length/width/height</i>	65.43in/51.97in/1.8in (1662mm/1320mm/46mm)
Weight:	60.6lbs (27.5kg)

PACKAGING SPECIFICATIONS

Modules per pallet:	20
Pallets per 53' container:	22
Pallet box dimensions: <i>length/width/height</i>	66in/53in/47in (1675mm/1330mm/1190mm)
Pallet box weight:	1323 lbs (600kg)



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)

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OUR VALUED PARTNER