



KD 315-80 F Series

Preliminary

CUTTING EDGE TECHNOLOGY

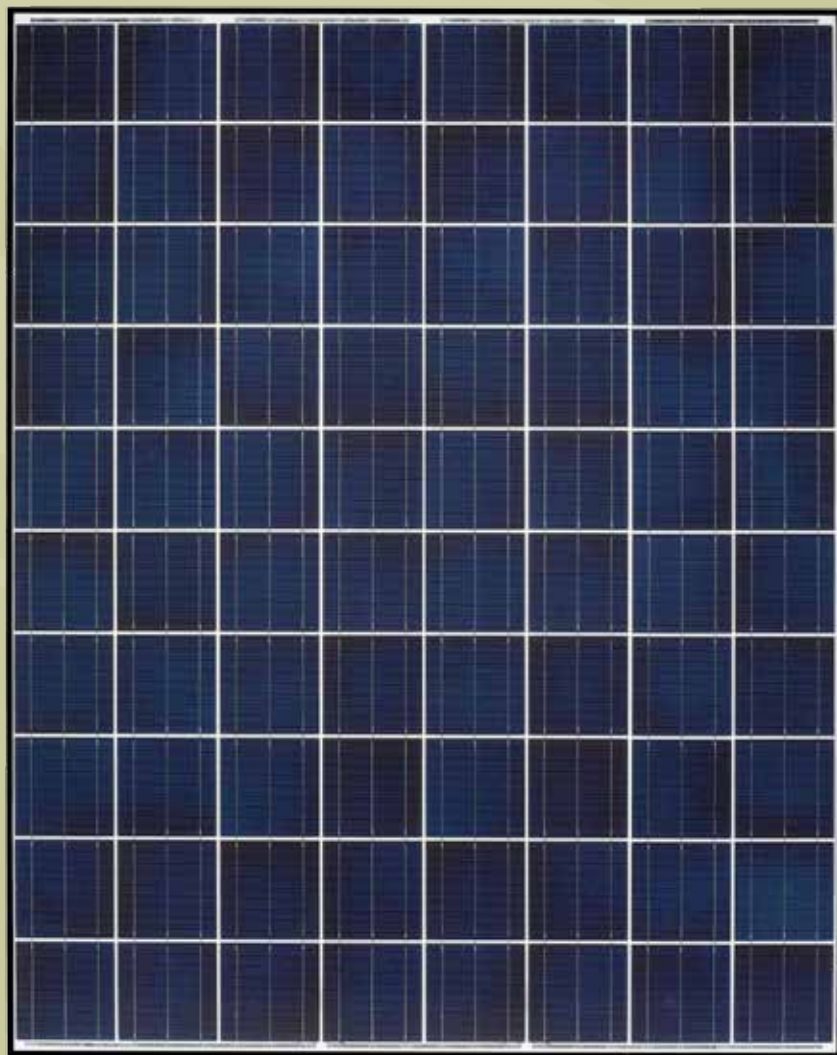
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

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
UL Fire Safety Class C, CEC, FSEC



ELECTRICAL SPECIFICATIONS

Standard Test Conditions (STC)		
STC = 1000 W/M ² irradiance, 25°C module temperature, AM 1.5 spectrum*		
KD315GX-LFB (Preliminary)		
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	%

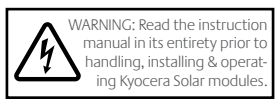
Nominal Operating Cell Temperature Conditions (NOCT)		
NOCT = 800 W/M ² irradiance, 20°C ambient temperature, AM 1.5 spectrum*		
T _{NOCT}	45	°C
P _{max}	226	W
V _{mp}	35.8	V
I _{mp}	6.34	A
V _{oc}	45.0	V
I _{sc}	6.88	A

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	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



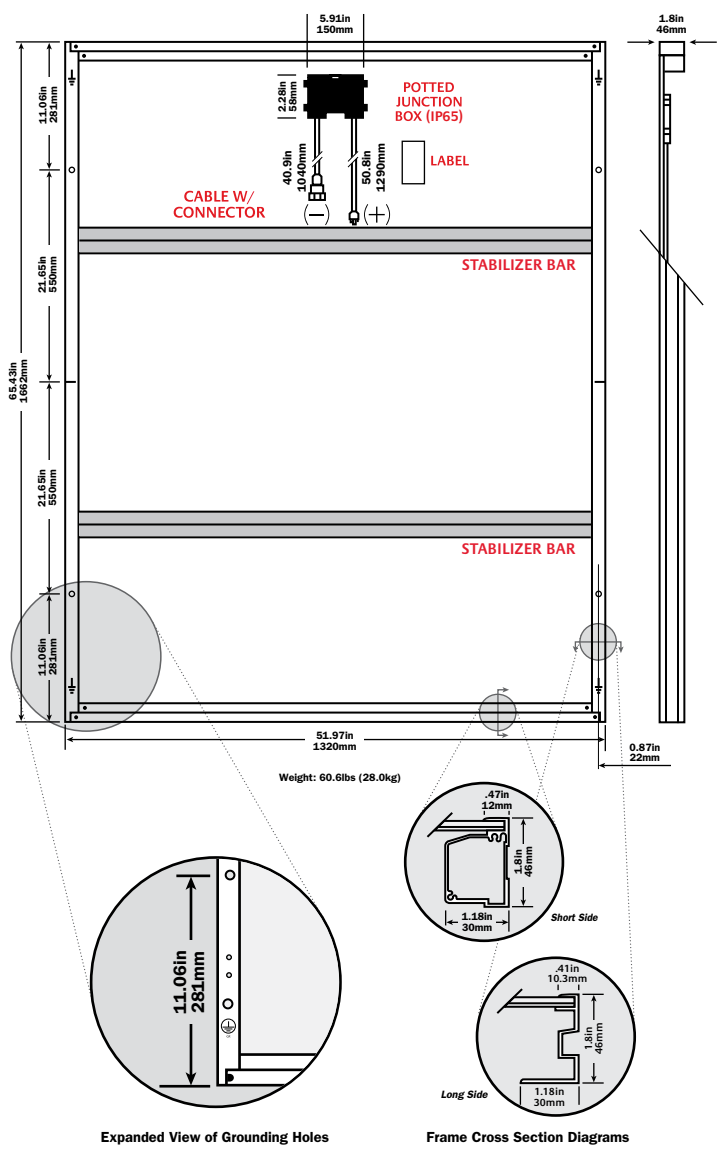
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MODULE CHARACTERISTICS

Dimensions: length/width/height	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: length/width/height	66in/53in/47in (1675mm/1330mm/1190mm)
Pallet box weight:	1323 lbs (600kg)



Legend	
○ MOUNTING HOLES	● DRAINAGE HOLES
.35in (9mm)	⊕ GROUND SYMBOL
	.35in (9mm)

OUR VALUED PARTNER