



KD 300-80 P Series

KD315GX-LPB KD320GX-LPB

CUTTING EDGE TECHNOLOGY

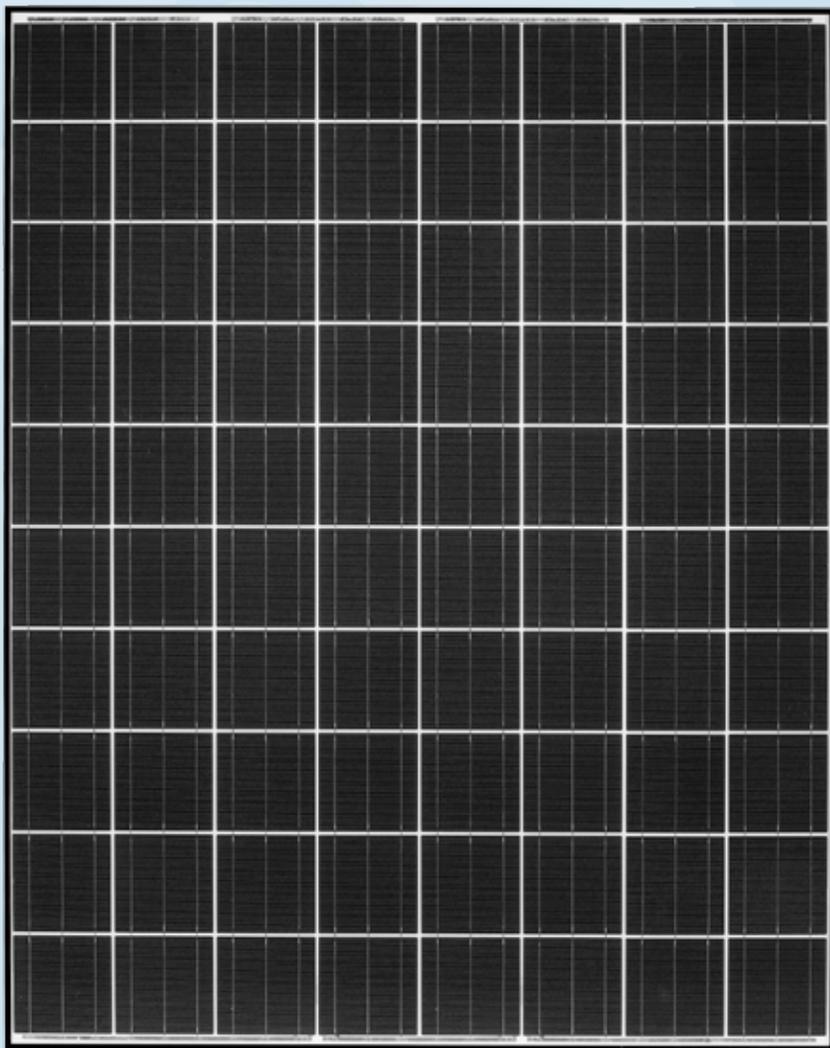
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

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



NEC 2008 Compliant, UL 1703, and ISO 14001

UL1703 Certified and Registered, UL Fire Safety Class C, CEC, FSEC

ELECTRICAL SPECIFICATIONS

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

	KD315GX-LPB	KD320GX-LPB	
P _{mp}	315	320	W
V _{mp}	39.8	40.1	V
I _{mp}	7.92	7.99	A
V _{oc}	49.2	49.5	V
I _{sc}	8.50	8.60	A
P _{tolerance}	+5/-3	+5/-3	%

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

T _{NOCT}	45	45	°C
P _{max}	226	230	W
V _{mp}	35.8	36.1	V
I _{mp}	6.34	6.40	A
V _{oc}	45.0	45.3	V
I _{sc}	6.88	6.96	A
PTC	276.4	280.9	W

Temperature Coefficients

P _{max}	-0.46	-0.45	%/°C
V _{mp}	-0.52	-0.51	%/°C
I _{mp}	0.0064	0.0065	%/°C
V _{oc}	-0.36	-0.36	%/°C
I _{sc}	0.061	0.060	%/°C
Operating Temp	-40 to +90	-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



MODULE CHARACTERISTICS

Dimensions: 65.43in/51.97in/1.8in
 length/width/height
 (1662mm/1320mm/46mm)

Weight: 60.6lbs (27.5kg)

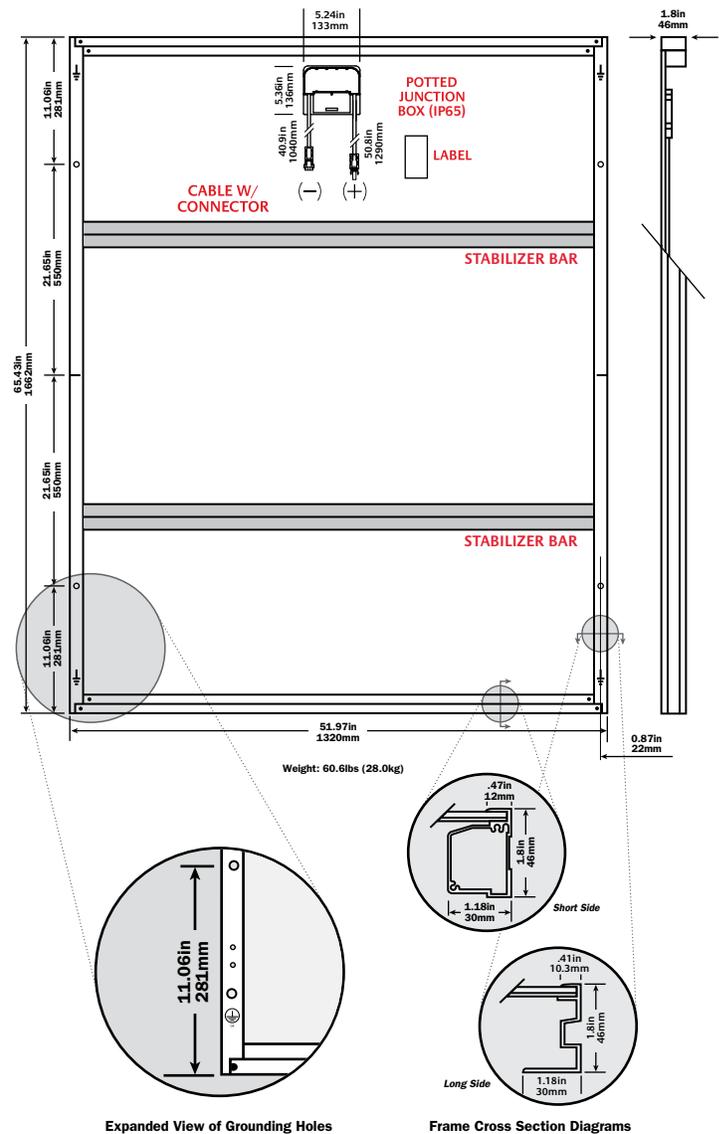
PACKAGING SPECIFICATIONS

Modules per pallet: 20

Pallets per 53' container: 22

Pallet box dimensions: 66in/53in/47in
 length/width/height
 (1675mm/1330mm/1190mm)

Pallet box weight: 1323 lbs (600kg)



Expanded View of Grounding Holes

Frame Cross Section Diagrams

Legend

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