



COLPILAS
la Energía del Futuro
SOLAR

KD 300-80 P Series

KD315GX-LPB KD320GX-LPB

CUTTING EDGE TECHNOLOGY

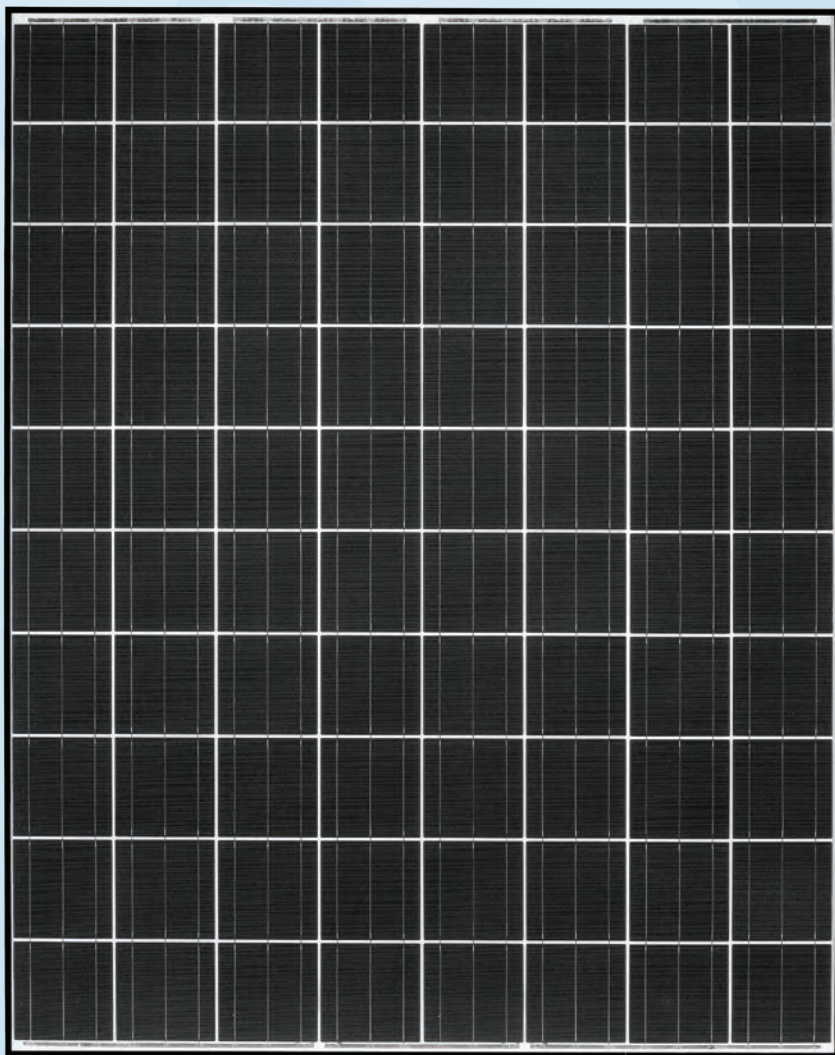
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

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



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



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

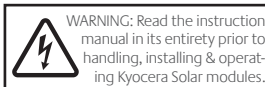
P _{max}	-0.46	-0.45	%/°C
V _{mp}	-0.52	-0.51	%/°C
I _{mp}	0.0064	0.0065	%/°C
V _{oc}	-0.36	-0.36	%/°C
I _{sc}	0.061	0.060	%/°C
Operating Temp	-40 to +90	-40 to +90	%/°C

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)

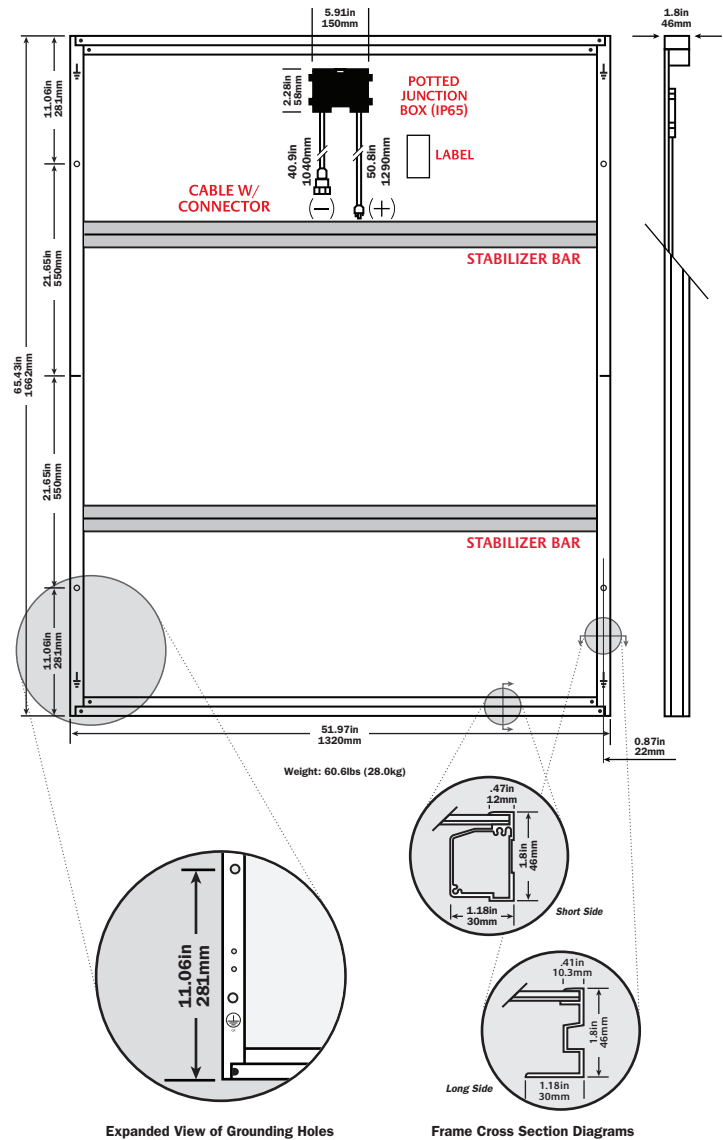
PACKAGING SPECIFICATIONS

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)