



**COLPILAS**  
la Energía del Futuro  
**SOLAR**

# KD 300-80 P Series

KD315GX-LPB    KD320GX-LPB

## CUTTING EDGE TECHNOLOGY

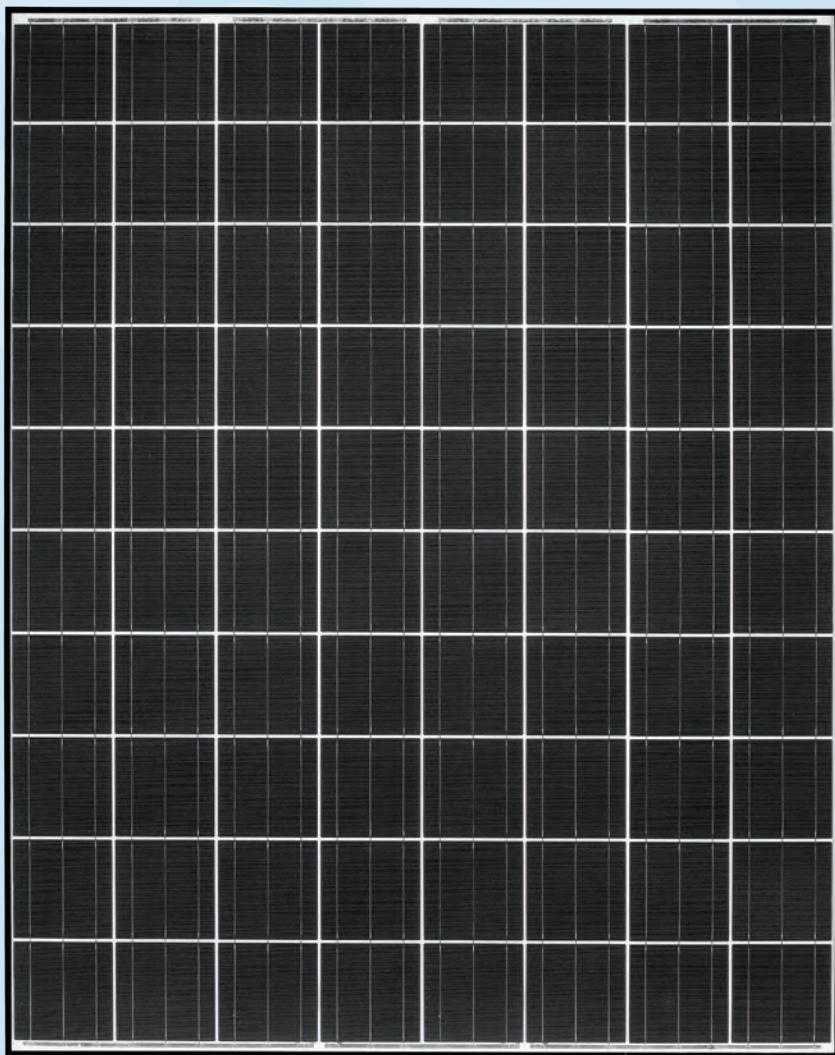
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

## 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/M<sup>2</sup> irradiance, 25°C module temperature, AM 1.5 spectrum\*

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

Nominal Operating Cell Temperature Conditions (NOCT)  
 NOCT = 800 W/M<sup>2</sup> irradiance, 20°C ambient temperature, AM 1.5 spectrum\*

T <sub>NOCT</sub>	45	45	°C
P <sub>max</sub>	226	230	W
V <sub>mp</sub>	35.8	36.1	V
I <sub>mp</sub>	6.34	6.40	A
V <sub>oc</sub>	45.0	45.3	V
I <sub>sc</sub>	6.88	6.96	A
PTC	276.4	280.9	W

### Temperature Coefficients

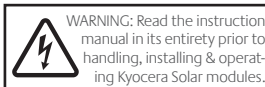
P <sub>max</sub>	-0.46	-0.45	%/°C
V <sub>mp</sub>	-0.52	-0.51	%/°C
I <sub>mp</sub>	0.0064	0.0065	%/°C
V <sub>oc</sub>	-0.36	-0.36	%/°C
I <sub>sc</sub>	0.061	0.060	%/°C
Operating Temp	-40 to +90	-40 to +90	%/°C

### 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)

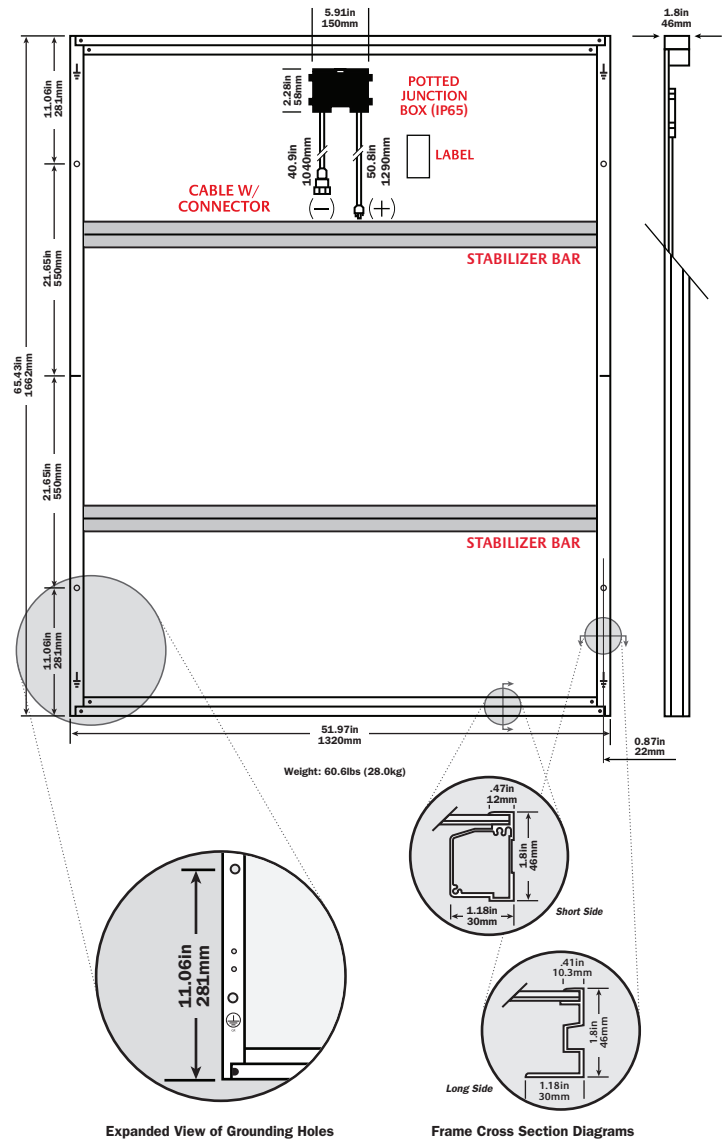
## PACKAGING SPECIFICATIONS

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)