



KD 300-80 F Series

KD320GX-LFB KD325GX-LFB

CUTTING EDGE TECHNOLOGY

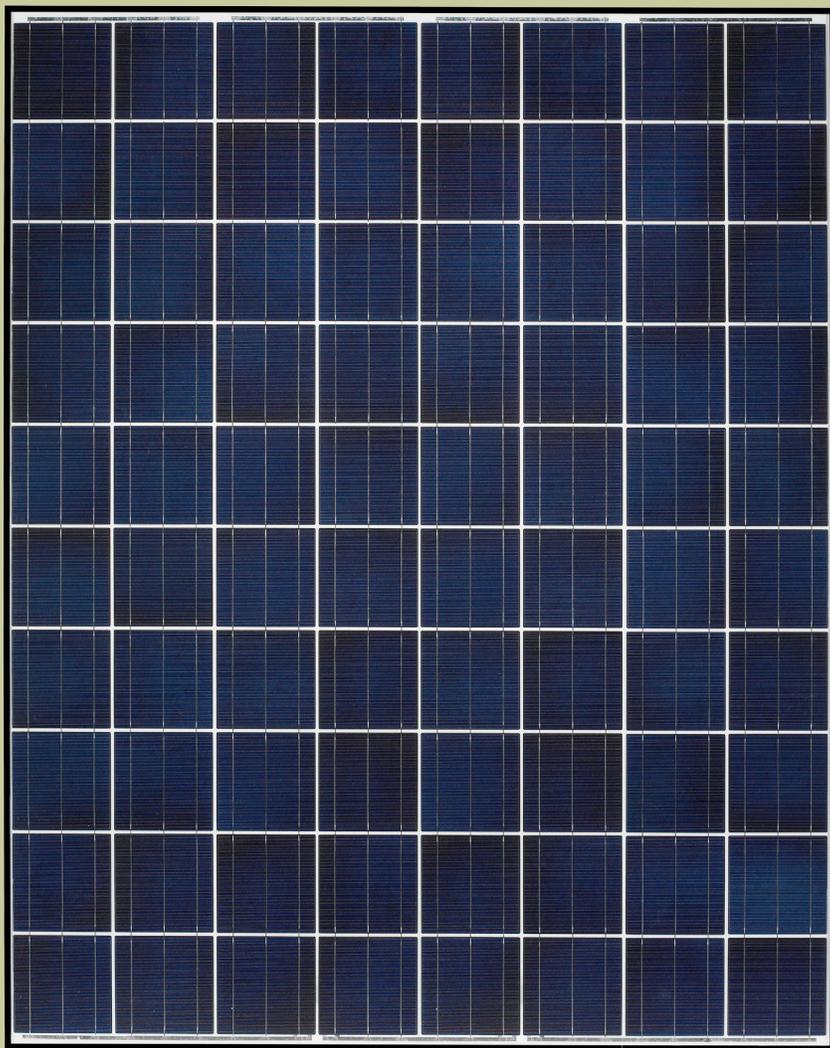
As a pioneer with over 39 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

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 plug-in connectors to provide safe and quick connections

RELIABLE

- Proven superior field performance
- Tight power tolerance
- First module manufacturer to pass rigorous long-term testing performed by TÜV Rheinland
- Pass Salt Mist Corrosion Test Severity 6, most severe test conditions, 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
 IEC 61701 Ed. 2 Severity 6 (Salt Mist Corrosion Test)

ELECTRICAL SPECIFICATIONS

Standard Test Conditions (STC) <i>STC = 1000 W/M² irradiance, 25°C module temperature, AM 1.5 spectrum*</i>			
	KD320GX-LFB	KD325GX-LFB	
P _{max}	320	325	W
V _{mp}	40.1	40.3	V
I _{mp}	7.99	8.07	A
V _{oc}	49.5	49.7	V
I _{sc}	8.60	8.69	A
P _{tolerance}	+5/-0	+5/-0	%

Nominal Operating Cell Temperature Conditions (NOCT) <i>NOCT = 800 W/M² irradiance, 20°C ambient temperature, AM 1.5 spectrum*</i>			
T _{NOCT}	45	45	°C
P _{max}	230	234	W
V _{mp}	36.1	36.2	V
I _{mp}	6.40	6.47	A
V _{oc}	45.3	45.5	V
I _{sc}	6.96	7.04	A
PTC	285.8	290.4	W

Temperature Coefficients			
P _{max}	-0.45	-0.45	%/°C
V _{mp}	-0.51	-0.47	%/°C
I _{mp}	0.0065	0.025	%/°C
V _{oc}	-0.36	-0.36	%/°C
I _{sc}	0.060	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

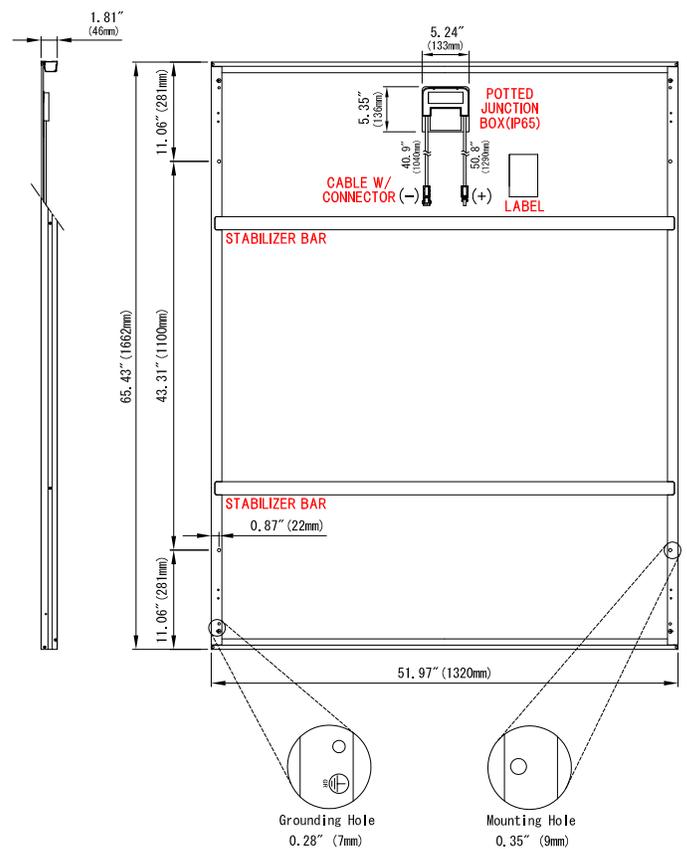


MODULE CHARACTERISTICS

Dimensions: <i>length/width/height</i>	65.43in/51.97in/1.81in (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)



FRAME CROSS SECTION DIAGRAM

