



**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**

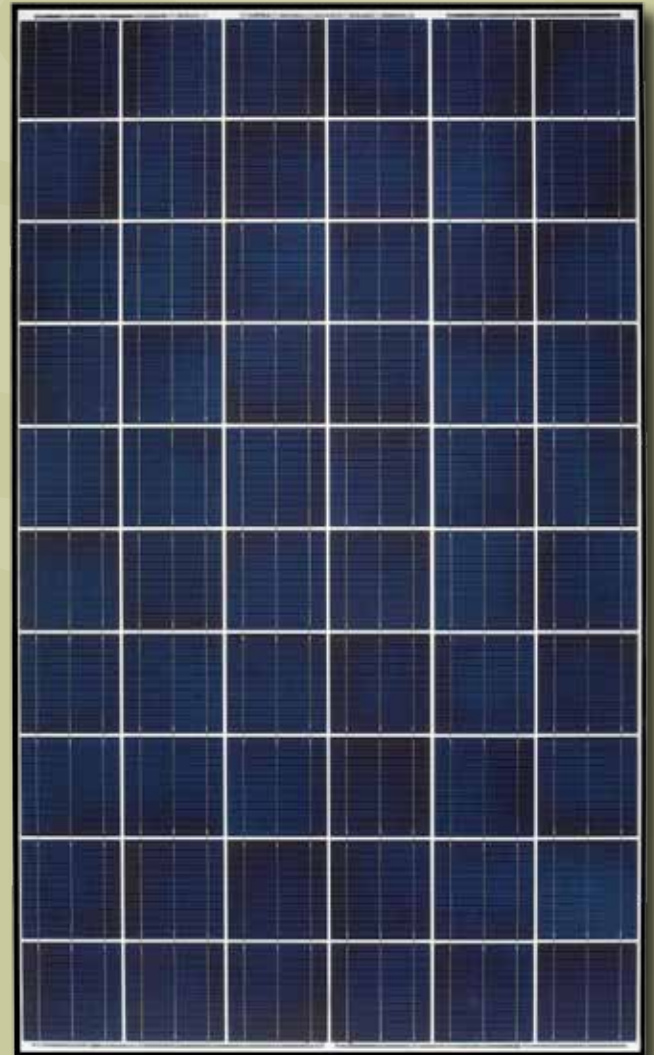
- UV stabilized, aesthetically pleasing black anodized frame
- Supported by major mounting structure manufacturers
- Easily accessible grounding points on all four corners for fast installation
- Proven junction box technology with 12 AWG PV wire to work with transformerless inverters
- Quality locking 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

# KD 200-60 F Series

KD240GX-LFB    KD245GX-LFB    KD250GX-LFB



**QUALIFICATIONS AND CERTIFICATIONS**

UL Listing  
QIGU.E173074



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



- Available Upon Request •



## ELECTRICAL SPECIFICATIONS

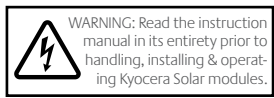
Standard Test Conditions (STC) <i>STC = 1000 W/M<sup>2</sup> irradiance, 25°C module temperature, AM 1.5 spectrum*</i>				
	KD240GX-LFB	KD245GX-LFB	KD250GX-LFB	
P <sub>mp</sub>	240	245	250	W
V <sub>mp</sub>	29.8	29.8	29.8	V
I <sub>mp</sub>	8.06	8.23	8.39	A
V <sub>oc</sub>	36.9	36.9	36.9	V
I <sub>sc</sub>	8.59	8.91	9.09	A
P <sub>tolerance</sub>	+5/-3	+5/-3	+5/-3	%

Nominal Operating Cell Temperature Conditions (NOCT) <i>NOCT = 800 W/M<sup>2</sup> irradiance, 20°C ambient temperature, AM 1.5 spectrum*</i>				
	KD240GX-LFB	KD245GX-LFB	KD250GX-LFB	
T <sub>NOCT</sub>	45	45	45	°C
P <sub>max</sub>	172	176	180	W
V <sub>mp</sub>	26.7	26.8	26.8	V
I <sub>mp</sub>	6.45	6.58	6.72	A
V <sub>oc</sub>	33.7	33.7	33.7	V
I <sub>sc</sub>	6.95	7.21	7.36	A
PTC	217.3	219.1	223.7	W

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

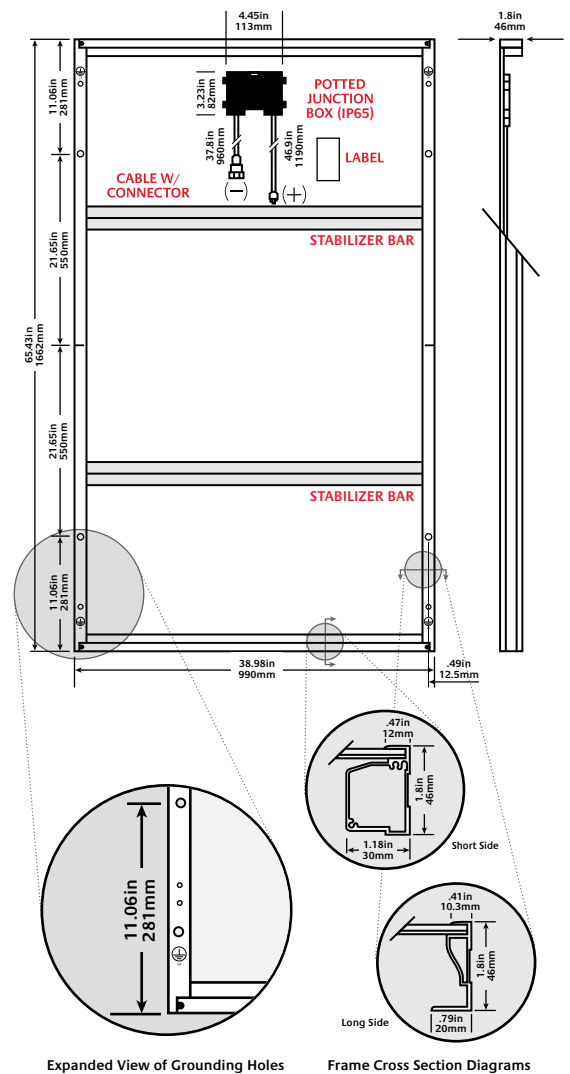


## MODULE CHARACTERISTICS

Dimensions: <i>length/width/height</i>	65.43in/38.98in/1.8in (1662mm/990mm/46mm)
Weight:	46.3lbs (21.0kg)

## PACKAGING SPECIFICATIONS

Modules per pallet:	20
Pallets per 53' container:	36
Pallet box dimensions: <i>length/width/height</i>	66in/40in/47in (1675mm/1005mm/1175mm)
Pallet box weight:	1040 lbs (470kg)



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