

### KD 200-60 Series



**Cutting Edge Technology** As a pioneer with 35 years in solar, 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 PV wire to work with transformerless inverters
- Quality locking plug-in connectors to provide safe & quick connections



UL Listing  
QIGU.E173074

NEC 2008 Compliant UL 1703, ISO 9001 and ISO 14001  
Certified and Registered Class C

Also available:



**QUALIFIED FOR "BUY AMERICAN"**  
Manufactured in San Diego, California

#### New Process Improvements

- All solar cells are fabricated with a new proprietary etching and coating process which translates into a 'smoother' appearance while maintaining the same gridline and bus-bar design.
- All modules have added crossbars on the back side of the module for greater support and stability in harsh conditions, including high wind and snow load regions.

#### Reliable

- Superior built-in quality
- Proven superior field performance
- Tight power tolerance

#### Warranty

- Kyocera standard 20 year power output warranty and 5 year workmanship warranty applies in USA
- Extended warranties available per project requirements
- Kyocera standard 20 year power output warranty and 2 year workmanship warranty applies outside of USA
- Refer to Kyocera warranty policy for details

## ELECTRICAL SPECIFICATIONS

Standard Test Conditions				
	KD230GX-LFB	KD235GX-LFB	KD240GX-LFB	
$P_{mp}^2$	230	235	240	W
$V_{mp}$	29.8	29.8	29.8	V
$I_{mp}$	7.72	7.89	8.06	A
$V_{oc}$	36.9	36.9	36.9	V
$I_{sc}$	8.36	8.55	8.59	A
$P_{tolerance}$	+5/-3	+5/-3	+5/-3	%

Nominal Operating Cell Temperature Conditions (NOCT)				
$T_{NOCT}$	45.0	45.0	45.0	°C
$P_{max}$	165	169	172	W
$V_{mp}$	26.8	26.8	26.7	V
$I_{mp}$	6.18	6.31	6.45	A
$V_{oc}$	33.7	33.7	33.7	V
$I_{sc}$	6.77	6.92	6.95	A

Temperature Coefficients				
$P_{max}$	-1.04	-1.07	-1.10	W/°C
$V_{oc}$	-0.133	-0.133	-0.133	V/°C
$I_{sc}$	0.00502	0.00513	0.00515	A/°C
Operating Temp	-40~90	-40~90	-40~90	°C

System Design	
Series Fuse Rating	15 A
Maximum DC System Voltage (UL)	600 V

NEC 2008 Compliant  
UL 1703 Listed

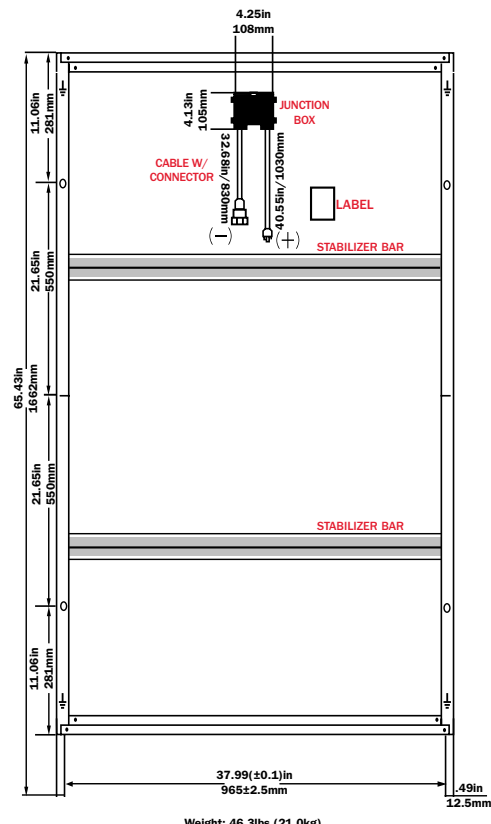


Registered to ISO9001-2000

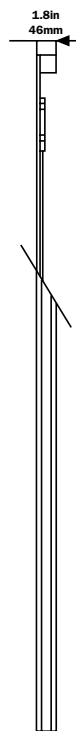
Kyocera reserves the right to modify these specifications without notice.

All specification at 25°C, cell temperature, 1.5 AM and 1000W/m².

## MECHANICAL SPECIFICATIONS



Weight: 46.3lbs (21.0kg)



**Legend**

- MOUNTING HOLES
- DRAINAGE HOLES
- △ GROUNDING HOLES

AUTHORIZED DISTRIBUTOR