



KD 200-60 P Series

KD240GX-LPB KD245GX-LPB

CUTTING EDGE TECHNOLOGY

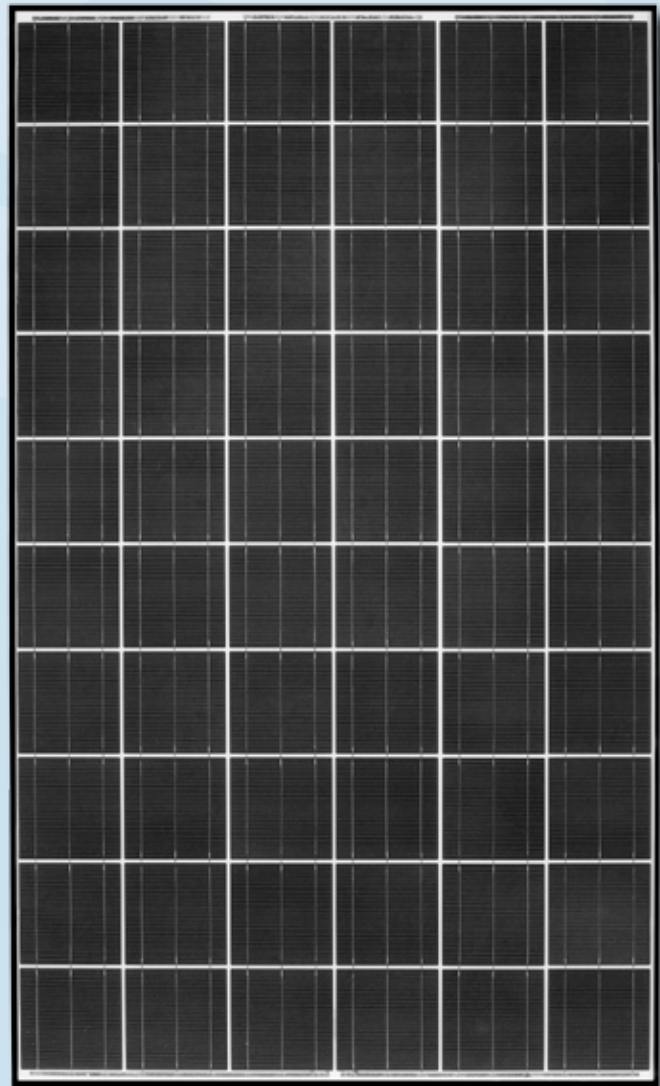
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

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

UL Listing
QIGU.E173074



NEC 2008 Compliant, UL 1703, ISO 9001, and ISO 14001
UL1703 Certified and Registered, UL Fire Safety Class C, CEC, FSEC
Certified IEC61215 Ed 2 IEC61730 by JET

ELECTRICAL SPECIFICATIONS

Standard Test Conditions (STC)

STC = 1000 W/M² irradiance, 25°C module temperature, AM 1.5 spectrum*

| | KD240GX-LPB | KD245GX-LPB | |
|------------------------|-------------|-------------|---|
| P _{mp} | 240 | 245 | W |
| V _{mp} | 29.8 | 29.8 | V |
| I _{mp} | 8.06 | 8.23 | A |
| V _{oc} | 36.9 | 36.9 | V |
| I _{sc} | 8.59 | 8.91 | 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} | 172 | 176 | W |
| V _{mp} | 26.7 | 26.8 | V |
| I _{mp} | 6.45 | 6.58 | A |
| V _{oc} | 33.7 | 33.7 | V |
| I _{sc} | 6.95 | 7.21 | A |
| PTC | 217.3 | 219.1 | W |

Temperature Coefficients

| | | | |
|------------------|------------|------------|------|
| P _{max} | -0.46 | -0.46 | %/°C |
| V _{mp} | -0.52 | -0.52 | %/°C |
| I _{mp} | 0.0064 | 0.0065 | %/°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 | 1in (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
CERTIFIED IEC61215 ED2 IEC61730 BY JET



WARNING: Read the instruction manual in its entirety prior to handling, installing & operating Kyocera Solar modules.

MODULE CHARACTERISTICS

Dimensions: 65.43in/38.98in/1.8in
length/width/height

Weight: 46.3lbs (21.0kg)

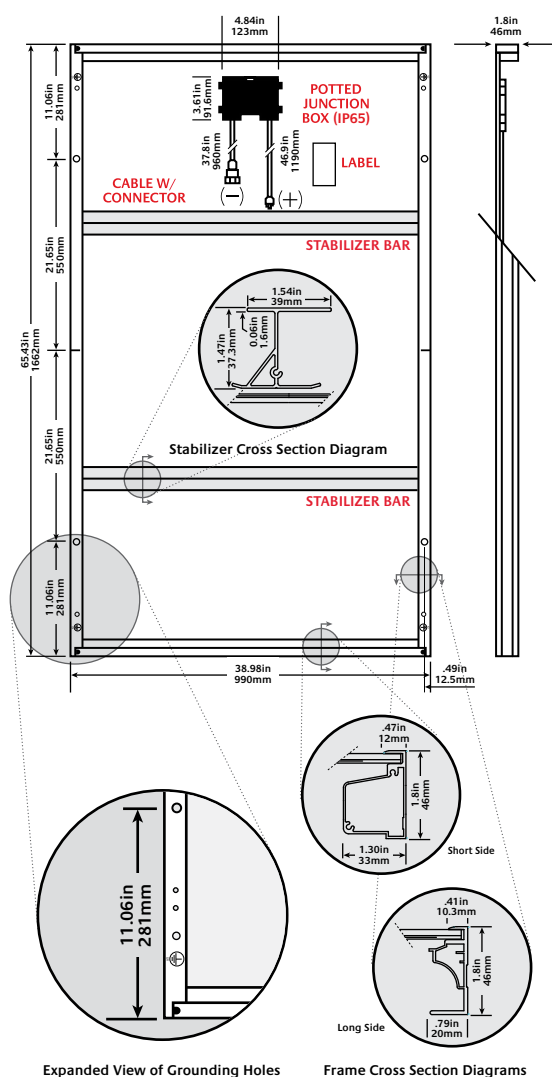
PACKAGING SPECIFICATIONS

Modules per pallet: 20

Pallets per 53' container: 36

Pallet box dimensions: 66.54in/39.76in/47.24in
length/width/height

Pallet box weight: 1050 lbs (480kg)



Expanded View of Grounding Holes

Frame Cross Section Diagrams

Legend

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

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>