



KD 200-60 F Series

KD240GX-LFB2

KD245GX-LFB2

KD250GX-LFB2

CUTTING EDGE TECHNOLOGY

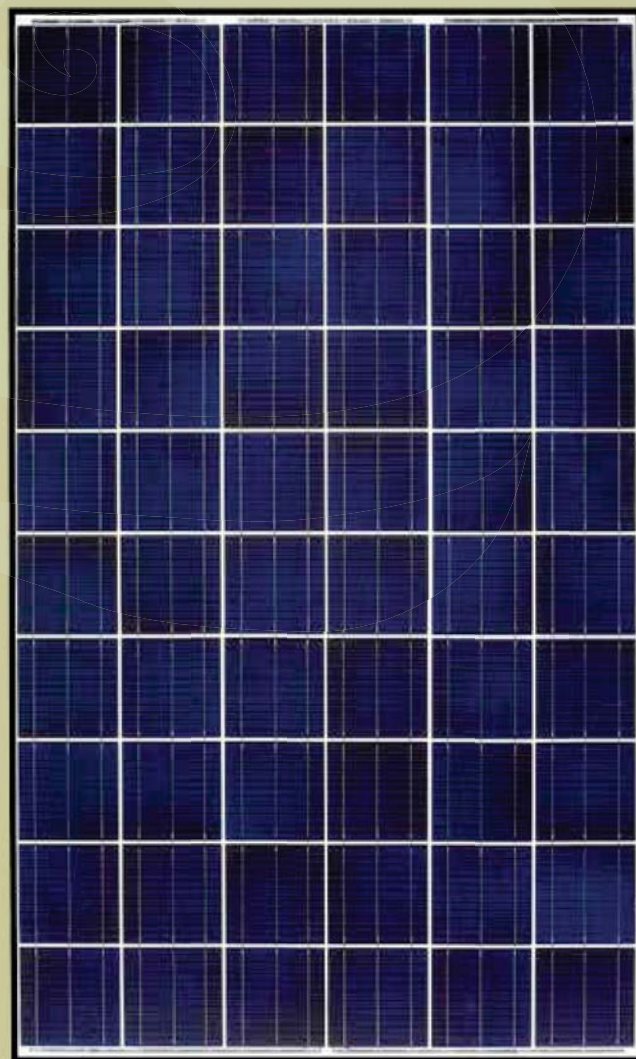
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

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 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, and ISO 14001
UL1703 Certified and Registered, UL Fire Safety Class C, CEC, FSEC

ELECTRICAL SPECIFICATIONS

| Standard Test Conditions (STC) <i>STC = 1000 W/M² irradiance, 25°C module temperature, AM 1.5 spectrum*</i> | | | | |
|---|--------------|--------------|--------------|---|
| | KD240GX-LFB2 | KD245GX-LFB2 | KD250GX-LFB2 | |
| P _{mp} | 240 | 245 | 250 | W |
| V _{mp} | 29.8 | 29.8 | 29.8 | V |
| I _{mp} | 8.06 | 8.23 | 8.39 | A |
| V _{oc} | 36.9 | 36.9 | 36.9 | V |
| I _{sc} | 8.59 | 8.91 | 9.09 | A |
| P _{tolerance} | +5/-3 | +5/-3 | +5/-3 | % |

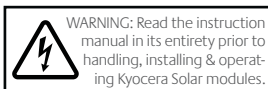
| Nominal Operating Cell Temperature Conditions (NOCT) <i>NOCT = 800 W/M² irradiance, 20°C ambient temperature, AM 1.5 spectrum*</i> | | | | |
|--|--------------|--------------|--------------|----|
| | KD240GX-LFB2 | KD245GX-LFB2 | KD250GX-LFB2 | |
| T _{NOCT} | 45 | 45 | 45 | °C |
| P _{max} | 172 | 176 | 180 | W |
| V _{mp} | 26.7 | 26.8 | 26.8 | V |
| I _{mp} | 6.45 | 6.58 | 6.72 | A |
| V _{oc} | 33.7 | 33.7 | 33.7 | V |
| I _{sc} | 6.95 | 7.21 | 7.36 | A |
| PTC | 217.3 | 219.1 | 223.7 | W |

| Temperature Coefficients | | | | |
|--------------------------|------------|------------|------------|------|
| P _{max} | -0.46 | -0.46 | -0.46 | %/°C |
| V _{mp} | -0.52 | -0.52 | -0.52 | %/°C |
| I _{mp} | 0.0064 | 0.0065 | 0.0065 | %/°C |
| V _{oc} | -0.36 | -0.36 | -0.36 | %/°C |
| I _{sc} | 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.

NEC 2008 COMPLIANT
UL 1703 LISTED



MODULE CHARACTERISTICS

| | |
|---|--|
| Dimensions: <i>length/width/height</i> | 65.43in/38.98in/1.8in (1662mm/990mm/46mm) |
| Weight: | 44.1lbs (20.0kg) |

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: | 990 lbs (450kg) |

