🔀 КУОСЕRа

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

KD 135 F Series

KD135GX-LFBS KD140GX-LFBS





SOLAR by KYOCERA

ELECTRICAL SPECIFICATIONS

| Standard Test Conditions (STC) STC = 1000 W/M ² irradiance, 25°C module temperature, AM 1.5 spectrum* | | | | |
|---|--------------|--------------|---|--|
| | KD135GX-LFBS | KD140GX-LFBS | | |
| P _{mp} | 135 | 140 | W | |
| V _{mp} | 17.7 | 17.7 | V | |
| I _{mp} | 7.63 | 7.91 | А | |
| V _{oc} | 22.1 | 22.1 | V | |
| ls _c | 8.37 | 8.68 | А | |
| Ptolerance | +5/-5 | +5/-5 | % | |

Nominal Operating Cell Temperature Conditions (NOCT) NOCT = 800 W/M² irradiance, 20°C ambient temperature, AM 1.5 sp

| T _{NOCT} | 45 | 45 | ٥C |
|-------------------------|-------|-------|----|
| P _{max} | 97 | 101 | W |
| V _{mp} | 16.0 | 16.0 | V |
| I _{mp} | 6.10 | 6.33 | А |
| V _{oc} | 20.2 | 20.2 | V |
| I _{sc} | 6.78 | 7.03 | А |
| РТС | 120.3 | 124.9 | W |

| Temperature Coefficients | | | | |
|--------------------------|------------|------------|------|--|
| P _{max} | -0.45 | -0.45 | %/°C | |
| V _{mp} | -0.52 | -0.52 | %/°C | |
| I _{mp} | 0.0066 | 0.0066 | %/°C | |
| V _{oc} | -0.36 | -0.36 | %/°C | |
| I _{sc} | 0.060 | 0.060 | %/°C | |
| Operating Temp | -40 to +90 | -40 to +90 | ٥C | |

| System Design | |
|---|--------------------|
| Series Fuse Rating | 15 A |
| Maximum DC System Voltage (UL) | 600 V |
| Hailstone Impact (23m/s) Subject to involve measurement used bits of 1/2% | 1in (25mm) @ 51mph |

 Subject to simulator measurement uncertainty of +/- 3%. KYOCERA reserves the right to modify these specifications without notice.

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US

NEC 2008 COMPLIANT UL 1703 LISTED CERTIFIED IEC61215 ED2 IEC61730 BY JET





WARNING: Read the instruction manual in its entirety prior to handling, installing & operat ing Kyocera Solar modules 28.4lbs (12.9kg)

59.06in/26.30in/1.8in

(1500mm/668mm/46mm)

PACKAGING SPECIFICATIONS

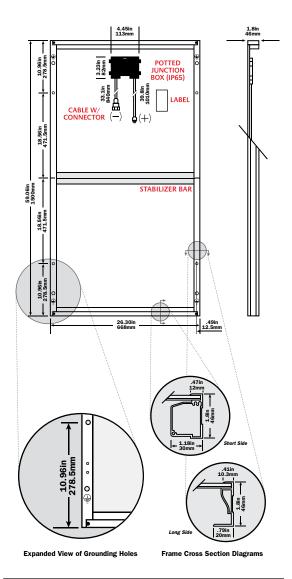
MODULE CHARACTERISTICS

Dimensions:

Weight:

length/width/height

| Modules per pallet: | 20 |
|---|--|
| Pallets per 53' container: | 54 |
| Pallet box dimensions: length/width/height | 63.19in/27.56in/49.02in (1605mm/700mm/1245mm) |
| Pallet box weight: | 650lbs (295kg) |



Legend O MOUNTING HOLES CRAINAGE HOLES GROUND SYMBOL .35in (9mm) .35in (9mm)

121411

OUR VALUED PARTNER