



# KB-60 1000V Series

KB255-6BCA KB255-6BPA KB260-6BCA KB260-6BPA

## CUTTING EDGE TECHNOLOGY

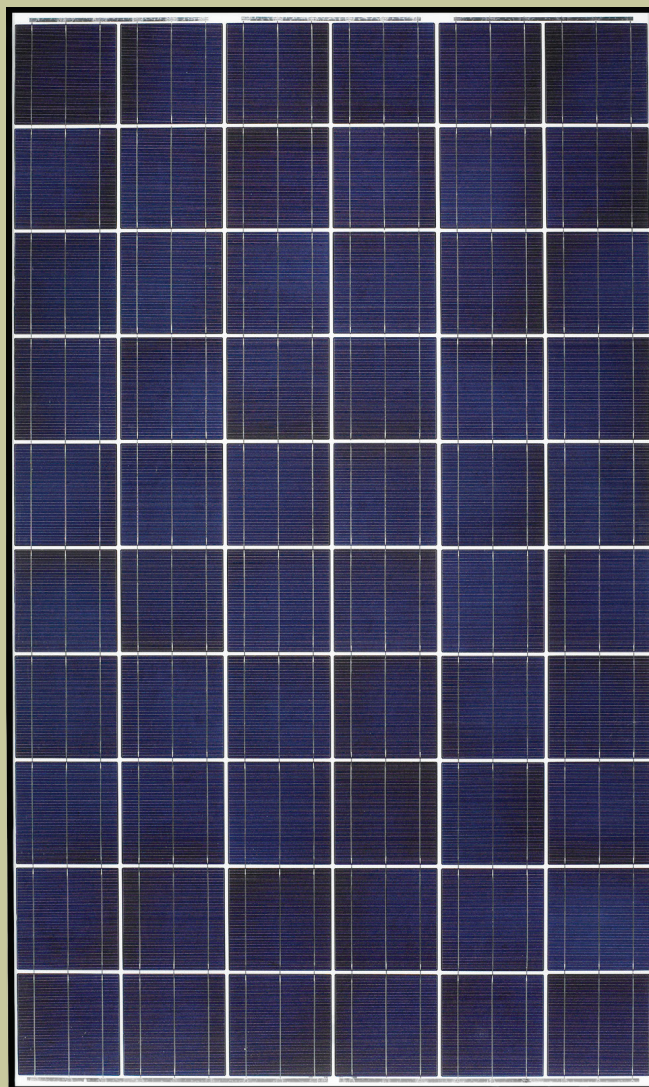
As a pioneer with four decades of experience in the development of photovoltaic systems, Kyocera drives the market as a leading provider of PV products. We demonstrate our *Kaizen* philosophy, or commitment to continuous improvement, by setting the industry standard in the innovation of best-in-class solar energy equipment.

## QUALITY BUILT IN

- UV-stabilized, anodized aluminum frame in black
- 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 works with transformerless inverters
- Locking plug-in connectors provide safe, quick connections

## PROVEN RELIABILITY

- Kyocera modules confirmed by the Desert Knowledge Australia Solar Centre to have the highest average output of any crystalline module
- First module manufacturer in the world to pass long-term sequential testing performed by TÜV Rheinland
- This series construction also passed TÜV Rheinland's Salt Mist Corrosion Test at Severity Level 6, the most intense test conditions available
- Only module manufacturer to achieve the rank of "Performance Leader" in all six categories of GTM Research's 2014 PV Module Reliability Scorecard



## CERTIFICATIONS

- UL1703 Certified and Registered, UL Module Fire Performance: Type 2, CEC
- NEC2008 Compliant, IEC 61215/61730, and ISO 14001
- IEC61701 Ed.2 Severity 6 (Salt Mist Corrosion Test)



## ELECTRICAL SPECIFICATIONS

## Standard Test Conditions (STC)

STC=1000 W/M<sup>2</sup> irradiance, 25°C module temperature, AM 1.5 spectrum\*

|                 | KB255-6BCA/6BPA | KB260-6BCA/6BPA |   |
|-----------------|-----------------|-----------------|---|
| $P_{max}$       | 255             | 260             | W |
| $V_{mp}$        | 30.8            | 31.0            | V |
| $I_{mp}$        | 8.28            | 8.39            | A |
| $V_{oc}$        | 38.0            | 38.3            | V |
| $I_{sc}$        | 8.83            | 9.09            | A |
| $P_{tolerance}$ | +5/-0           | +5/-0           | % |

## Nominal Operating Cell Temperature Conditions (NOCT)

NOCT=800 W/M<sup>2</sup> irradiance, 20°C ambient temperature, AM 1.5 spectrum\*

|            |       |       |    |
|------------|-------|-------|----|
| $T_{NOCT}$ | 45    | 45    | °C |
| $P_{max}$  | 183   | 187   | W  |
| $V_{mp}$   | 27.7  | 27.9  | V  |
| $I_{mp}$   | 6.61  | 6.71  | A  |
| $V_{oc}$   | 34.8  | 35.1  | V  |
| $I_{sc}$   | 7.15  | 7.36  | A  |
| PTC        | 228.3 | 232.9 | W  |

## Temperature Coefficients

|                |            |            |      |
|----------------|------------|------------|------|
| $P_{max}$      | -0.45      | -0.45      | %/°C |
| $V_{mp}$       | -0.48      | -0.48      | %/°C |
| $I_{mp}$       | 0.02       | 0.02       | %/°C |
| $V_{oc}$       | -0.36      | -0.36      | %/°C |
| $I_{sc}$       | 0.06       | 0.06       | %/°C |
| Operating Temp | -40 to +90 | -40 to +90 | °C   |

## System Design

|                                |                          |
|--------------------------------|--------------------------|
| Series Fuse Rating             | 15 A                     |
| Maximum DC System Voltage (UL) | 1000 V                   |
| Hailstone Impact               | in (25mm) @ 51mp (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  
Q21715

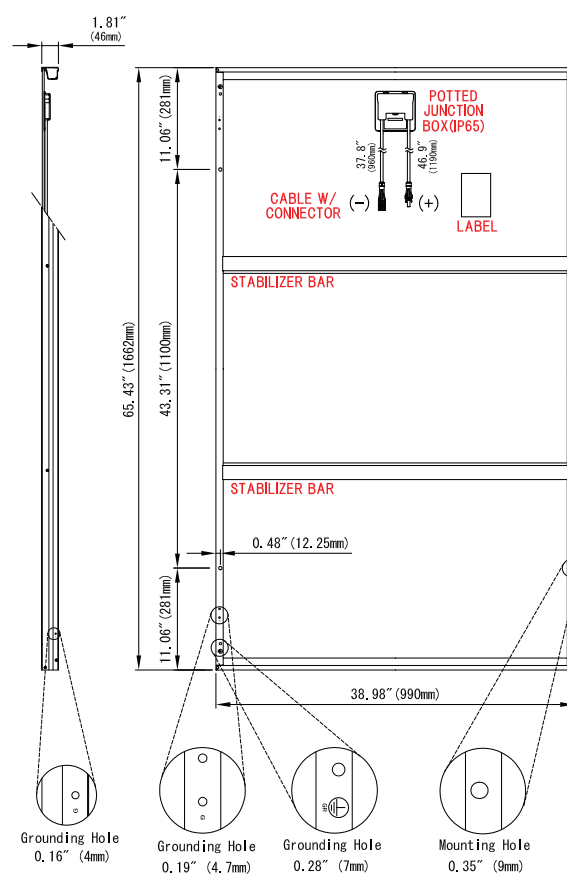


## MODULE CHARACTERISTICS

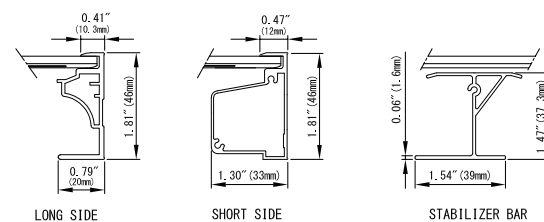
|                                    |   |
|------------------------------------|---|
| Cells per module:                  | 60 (6 x 10)                                   |
| Dimensions:<br>length/width/height | 65.43in/38.98in/1.81in<br>(1662mm/990mm/46mm) |
| Weight:                            | 44.1lbs (20.0kg)                              |

## PACKAGING SPECIFICATIONS

|   |  |
|---|--|
| Modules per pallet:                           | 20                                       |
| Pallets per 53' container:                    | 36                                       |
| Pallet box dimensions:<br>length/width/height | 66in/40in/47in<br>(1675mm/1005mm/1175mm) |
| Pallet box weight:                            | 990lbs (450kg)                           |



## FRAME CROSS SECTION DIAGRAM



OUR VALUED PARTNER