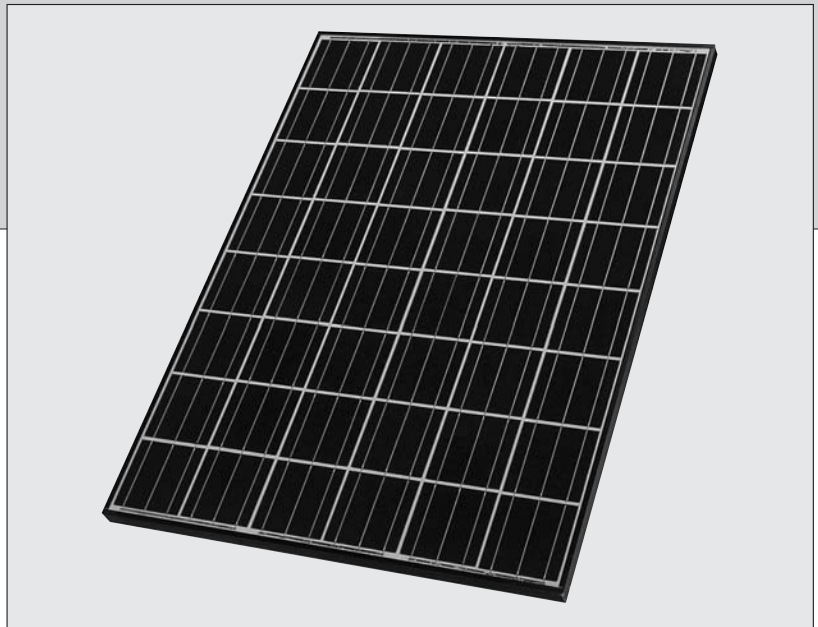


THE NEW VALUE FRONTIER



KC170GT

HIGH EFFICIENCY MULTICRYSTAL PHOTOVOLTAIC MODULE



HIGHLIGHTS OF KYOCERA PHOTOVOLTAIC MODULES

Kyocera's advanced cell processing technology and automated production facilities produce a highly efficient multicrystal photovoltaic module.

The conversion efficiency of the Kyocera solar cell is over 16%.

These cells are encapsulated between a tempered glass cover and an EVA pottant with PVF back sheet to provide efficient protection from the severest environmental conditions.

The entire laminate is installed in an anodized aluminum frame to provide structural strength and ease of installation. Equipped with plug-in connectors.

APPLICATIONS

KC170GT is ideal for grid tie system applications.

- Residential roof top systems
- Large commercial grid tie systems
- Water Pumping systems
- High Voltage stand alone systems

QUALIFICATIONS

- **MODULE**
UL1703 certified

- **FACTORY**
ISO9001 and ISO14001

PERFORMANCE WARRANTY

1 year limited warranty on material and workmanship

25 year* limited warranty on power output

SPECIFICATIONS

■ Electrical Specifications

MODEL	KC170GT
Maximum Power	170Watts
Tolerance	+10% / -5%
Maximum Power Voltage	23.4Volts
Maximum Power Current	7.27Amps
Open Circuit Voltage	29.0Volts
Short-Circuit Current	8.03Amps
Length	1290mm (50.8in.)
Width	990mm (39.0in.)
Depth	36mm (1.4in.)
Weight	16.0kg (35.3lbs.)

■ Thermal parameters

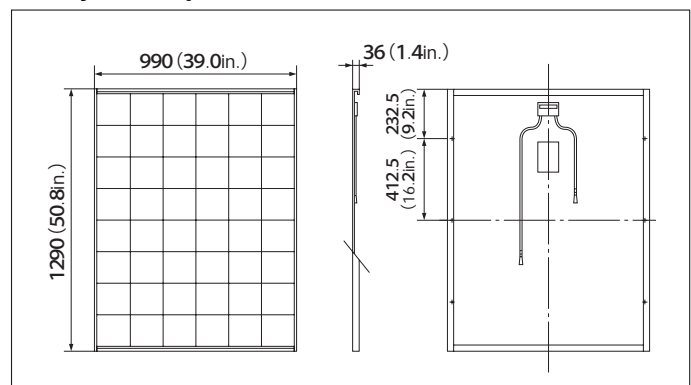
Nominal Operating Cell Temperature	47°C
Isc Current temperature coefficient	(3.18×10 ⁻³) A/°C
Voc Voltage temperature coefficient	(-1.09×10 ⁻¹) V/°C

Note: The electrical specifications are under test conditions of Irradiance of 1kw/m², Spectrum of 1.5 air mass and cell temperature of 25°C

Kyocera reserves the right to modify these specifications without notice.

■ Physical Specifications

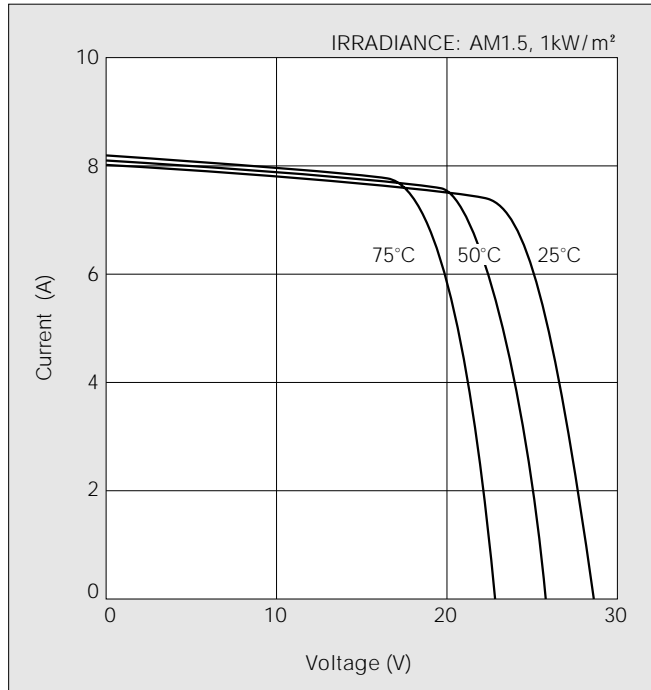
(Unit: mm)



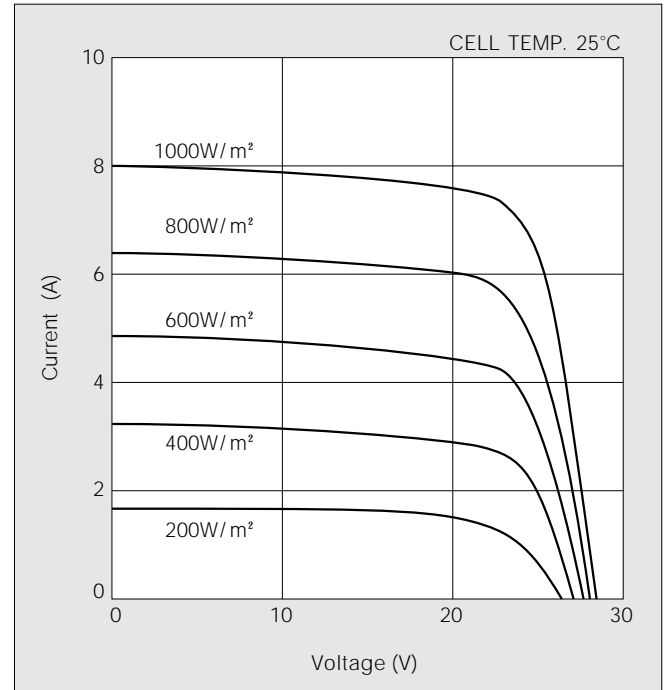
※(Long term output warranty shall guarantee that loss of output is not more than 10% of the minimum warranty value of the product specifications within 12 years and is not more than 20% within 25 years after the purchase of the product by customer. The output values shall be those measured under Kyocera standard measurement conditions. Regarding the warranty conditions in detail, please refer to Warranty issued by Kyocera.)

ELECTRICAL CHARACTERISTICS

Current-Voltage characteristics of Photovoltaic Module KC170GT at various cell temperatures



Current-Voltage characteristics of Photovoltaic Module KC170GT at various irradiance levels



QUALITY ASSURANCE

Kyocera multicrystal photovoltaic modules exceed government specifications for the following tests.

- Thermal cycling test
- Thermal shock test
- Thermal/ Freezing and high humidity cycling test
- Electrical isolation test
- Hail impact test
- Mechanical, wind and twist loading test
- Salt mist test
- Light and water-exposure test
- Field exposure test

Please contact our office to obtain details without hesitation.



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