



# Kyocera Solar Modules (KC)

Kyocera's advanced cell processing technology and automated production facilities have produced a multi-crystal solar cell with an efficiency of over 15%. All modules are constructed using a tempered glass front, EVA pottant and a PVF backing to provide maximum protection from the most severe environmental conditions. The entire laminate is framed in a heavy duty anodized aluminum frame to provide structural strength and ease of installation. Because Kyocera modules are so efficient less space is required than other solar modules of equal output. This translates to both more wattage per square foot and lower mounting structure cost.



### Features

- KC65T-KC190T modules have a +10/-5% power tolerance, KC40T-50T: +15/-5%
- UL listed
- Low iron, tempered glass, EVA encapsulant and anodized aluminum frame construction
- 25 year output warranty on KC Series modules
- Weather resistant junction box (KC40T-KC125TM) or multi-contact connectors (KC125GT, 170GT, & 190GT)

### Quality Assurance

- Kyocera multi-crystal photovoltaic modules exceed government specifications for the following tests:
- Thermal cycling test
  - Thermal shock test
  - Thermal/Freezing and high humidity cycling test
  - Electrical insolation test
  - Hail impact test
  - Mechanical, wind and twist loading test
  - Salt mist test
  - Light and water exposure test
  - Field exposure test

Product Name and Description	KC 190GT	KC 170GT	KC 125GT	KC 125TM	KC85T	KC65T	KC50T	KC40T
Part Number	119002	117002	112502	112512	108511	106511	105011	104011
Rated Power (Watts)	190.0	170.1	125.3	125.3	87.3	65.2	54.1	43.1
Series Fusing (Amps)	11.0	11.0	11.0	11.0	11.0	6.0	6.0	6.0
Current at Max. Power (Amps)	7.28	7.27	7.20	7.20	5.02	3.75	3.11	2.48
Voltage at Max. Power (Volts)	26.1	23.4	17.4	17.4	17.4	17.4	17.4	17.4
Short Circuit Current (Amps)	8.08	8.03	8.0	8.0	5.34	3.99	3.31	2.65
Open Circuit Voltage (Volts)	32.5	29.0	21.7	21.7	21.7	21.7	21.7	21.7
Length (Inches)	56.2	50.8	56.0	56.0	39.6	29.6	25.2	20.7
Width (Inches)	39.0	39.0	25.7	25.7	25.7	25.7	25.7	25.7
Depth of frame (Inches)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Depth including j-box	1.4	1.4	1.4	2.2	2.2	2.1	2.1	2.1
Shipping Weight (lbs.)	40.7	35.3	33.0	33.0	24.0	18.0	16.0	13.0

All specification at 25°C. cell temperature, 1.5 AM and 1000W/m<sup>2</sup>. Wattage ratings are + 10% or – 5% (KC40T +/- 5%). KC "T" and "TM" modules have a conduit ready junction box. "GT" modules have multi-contact connectors. See Appendix A for module dimensions and shipping information.

Replacement bypass diodes for Kyocera modules are sold in packs of 25; part number 1414100