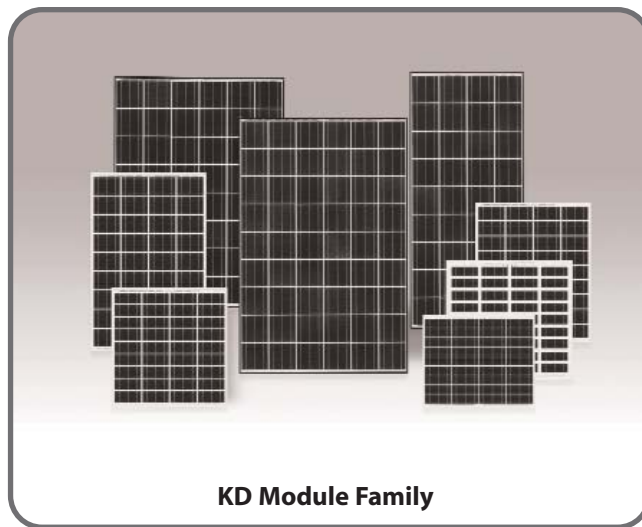




Kyocera Solar Modules (KC/KD)

Kyocera's advanced cell processing technology and automated production facilities have produced a multi-crystal solar cell with an efficiency of over 16%. 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 - KC130TM modules have a +10/-5% power tolerance, KC40T-50T: +15/-5%
- KD135GX-LP - KD205GX-LP modules have a +5%/-5% tolerance
- UL listed
- Low iron, tempered glass, EVA encapsulant and anodized aluminum frame construction
- 20 year output warranty on Kyocera modules
- Weather resistant junction box (KC40T-KC130TM) or multi-contact connectors (KD130GX-LP, 180GX-LP, & 205GX-LP)

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 insulation 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	KD 205GX-LP	KD 180GX-LP	KD 135GX-LP	KC 130TM	KC85T	KC65T	KC50T	KC40T
Part Number	501015	501014	501013	501004	703004	703005	703007	703008
<i>Rated Power (Watts)</i>	205	180	135	130	87	65	54	43
<i>Series Fusing (Amps)</i>	15.0	15.0	15.0	15.0	7.0	6.0	6.0	6.0
<i>Current at Max. Power (Amps)</i>	7.71	7.63	7.63	7.39	5.02	3.75	3.11	2.48
<i>Voltage at Max. Power (Volts)</i>	26.6	23.6	17.7	17.6	17.4	17.4	17.4	17.4
<i>Short Circuit Current (Amps)</i>	8.36	8.35	8.37	8.02	5.34	3.99	3.31	2.65
<i>Open Circuit Voltage (Volts)</i>	33.2	29.5	22.1	21.9	21.7	21.7	21.7	21.7
<i>Length (Inches)</i>	59.1	52.8	59.1	56.0	39.6	29.6	25.2	20.7
<i>Width (Inches)</i>	39.0	39.0	26.3	25.7	25.7	25.7	25.7	25.7
<i>Depth of frame (Inches)</i>	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
<i>Depth including j-box</i>	1.4	1.4	1.4	2.2	2.2	2.1	2.1	2.1
<i>Shipping Weight (lbs.)</i>	45.8	41.4	33.0	33.0	24.0	18.0	16.0	13.0

All specification at 25°C. cell temperature, 1.5 AM and 1000W/m².
 KC "T" and "TM" modules have a conduit ready junction box. "GX" modules have locking multi-contact connectors.
See Appendix A for module dimensions and shipping information.

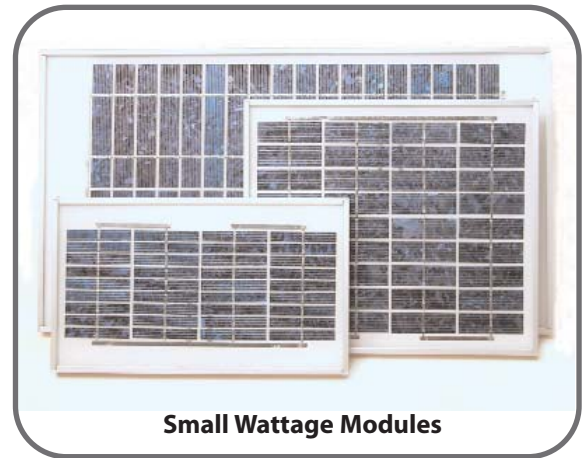
Replacement bypass diodes for Kyocera J-Box equipped modules are sold in packs of 25; part number 705070

Solartec KS Modules

Using highly efficient KYOCERA multi-crystal PV cells, these modules are manufactured in small sizes for more flexibility and versatility in applications that require small spaces and minimal amounts of electricity. All modules terminate with 23 ft. (7m) of 16-2 AWG cable. See [Appendix A](#) for more information. 10 year output warranty.

Applications

- Gate openers
- Power for medical facilities, security posts and community centers
- Warning lights, traffic systems and railroad signals
- Telecommunications, radios, sensing and signaling equipment
- Battery charging for boats and RV's



Small Wattage Modules

Product Name and Description	KS 20	KS 10	KS 5
Part Number	703022	703020	703019
Price	\$195.00	\$129.00	\$75.00
<i>Rated Power (Watts)</i>	20.0	10.0	5.0
<i>Current at Max. Power (Amps)</i>	1.16	0.58	0.29
<i>Voltage at Max. Power (Volts)</i>	17.40	17.40	17.40
<i>Short Circuit Current (Amps)</i>	1.26	0.63	0.31
<i>Open Circuit Voltage</i>	21.70	21.70	21.70
<i>Length (Inches)</i>	20.5	12.0	8.1
<i>Width (Inches)</i>	13.78	13.86	13.86
<i>Depth (Inches)</i>	0.87	0.87	0.87
<i>Shipping Weight (lbs.)</i>	6.0	4.4	3.0