

# KS-255B

## General information:

Type of module:	Monocrystalline PV module
Front cover:	Strengthened patterned 3.2 mm glass
Filler:	EVA
Type of cells:	Monocrystalline
Number of cells:	60
Frame:	39.5 mm black anodised aluminium
Backsheet:	Black Tedlar
Connection box:	TYCO IP65 connection, with rectifier diode
Wire:	1-1 m long, 4 mm <sup>2</sup> solar cable, with TYCO SOLARLOK terminals

## Electrical information:

Type:	KS-255B
Tolerance (%):	-1/+3
Peak power (Wp):	255
MPP voltage (V):	31,49
MPP current (A):	8,10
Open-circuit voltage (V):	37,83
Short-circuit current (A):	8,59
Operating temperature (°C):	- 40 - +85
Maximum system voltage (V):	1000
Conversion efficiency (%):	15,75

Standard test conditions: air mass AM 1,5 – irradiation: 1000 W/m<sup>2</sup> – cell Temp.: 25 °C

## Temperature coefficients:

Voc:	-0,297 %/K
Isc:	0,037 %/K
Pmax:	-0,438 %/K

## Mechanical information:

Module dimensions:	1657 x 977 x 39.5 mm
Module surface area:	1,61 m <sup>2</sup>
Weight:	19 kg

## Warranty conditions:

Material and workmanship:	10 years
Output power 90%:	10 years
Output power 80%:	25 years

## Qualifications and certifications:

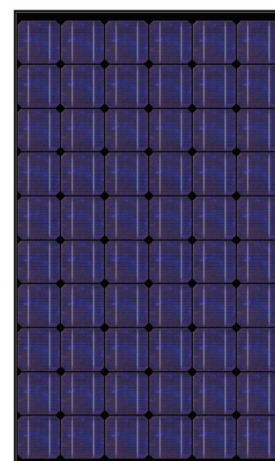
CE IP65



MANUFACTURER CERTIFIED  
ACCORDING TO ISO 9001:2000



IEC 61215 ED.2  
and IEC 61730

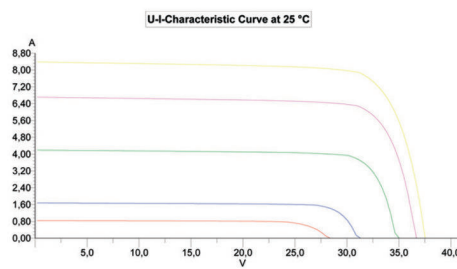
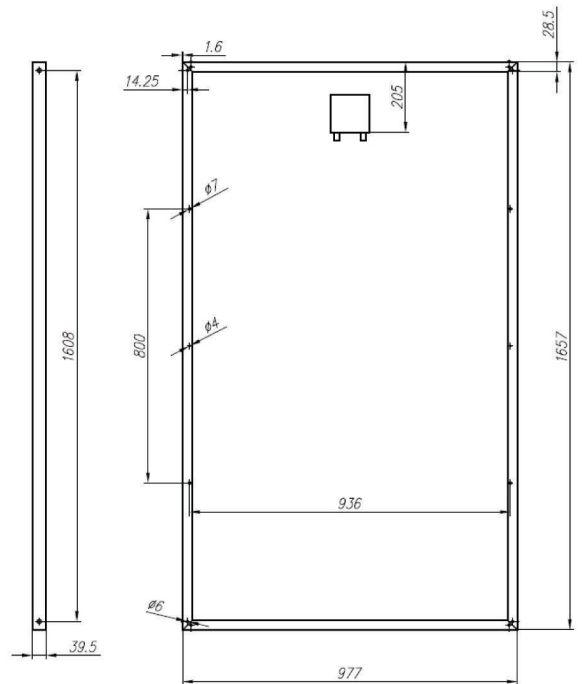
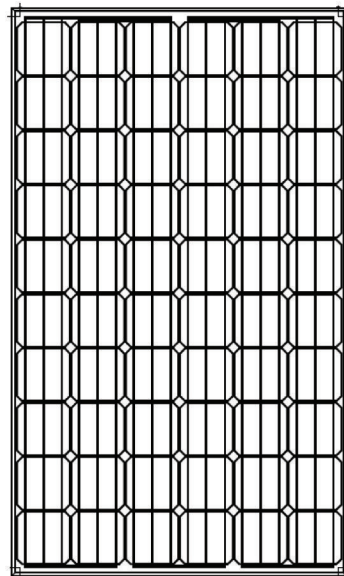


Due to our policy of continual improvement the products covered by this brochure may be changed without notice.

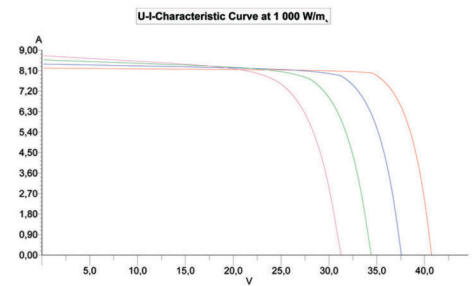


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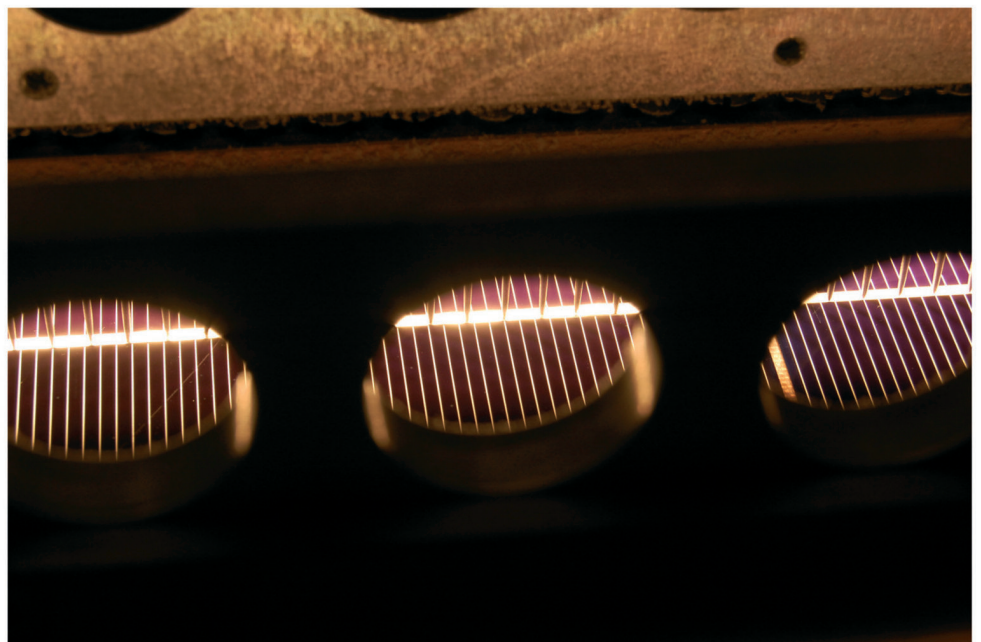
# KS-255B



- U-I-Characteristic Curve 100 W/m<sub>2</sub>
- U-I-Characteristic Curve 200 W/m<sub>2</sub>
- U-I-Characteristic Curve 500 W/m<sub>2</sub>
- U-I-Characteristic Curve 800 W/m<sub>2</sub>
- U-I-Characteristic Curve 1 000 W/m<sub>2</sub>



- U-I-Characteristic Curve 0 °C
- U-I-Characteristic Curve 25 °C
- U-I-Characteristic Curve 50 °C
- U-I-Characteristic Curve 75 °C



**KORAX**  
SOLAR