

Cells
„made in Austria“

Monocrystalline solar module

... quality in perfection

- **highly-efficient** monocrystalline cells
- power range from **225 W to 255 W**
- modules from european manufacturing
- **wigh quality**, reliable module assembled using **advanced encapsulation**
- **waterproof junction box with three bypass-diodes**
- **rigorous testing to ensure durability** in harsh weather conditions
- tested up to **5,400 N/m² mechanical load**

TOGETHER INTO THE FUTURE

- High-Efficiency made in Austria



Module	225	230	235	240	245	250	255
Electrical parameters							
Max. power (Pm)	225 W	230 W	235 W	240 W	245 W	250 W	255 W
Voltage at max. power (Ump)	28.8	29.2	29.6	30.0	30.2	30.5	30.6
Current at max. power (Imp)	7.88	7.97	8.05	8.13	8.21	8.28	8.35
Open-circuit voltage (Voc)	36.4	36.6	36.9	37.4	37.7	37.9	38.0
Short-circuit current (Isc)	8.51	8.59	8.67	8.74	8.81	8.87	9.02
Module efficiency (%)	13.8	14.0	14.3	14.7	14.9	15.2	15.4
Max. power tolerance (%)	+/- 3						
Max. system voltage (V)	1000						
Rated cell operating temperature (°C)	43 °C ± 2 °						
Temperature coefficient							
Open-circuit voltage (Voc)	- 0.34 %/K						
Power (Pmpp)	- 0.42 %/K						
Short-circuit current (Isc)	+ 0.042 %/K						
Test parameters							
Temperature operating range	- 40 bis 85 °C						
Maximum load test (e.g. wind, snow)	max. 5,400 N/m²						
Hail stone impact test	hail-Ø: 25 mm, velocity: 23 m/s						
Mechanical parameters							
Module dimensions L x B x H (mm)	1665 x 1001 x 42 mm						
Module weight (kg)	22						
Junction box / connector	KOSTAL SAMKO 100 01, 3 Bypass-Diodes, IP65 / LC4-connector						

Typical data at standard test conditions. The above mentioned data are subject to production tolerances.

Warranty & Certifications

Warranty

5 years product warranty
20 years power warranty
(90 % at 10 years, 80 % at 20 Years)*

Certifications

IEC 61215, IEC 61730-1 und IEC 61730-2
Class C fire rating (protection class II)
CE

*according to the BCE declaration of guarantee

IV Curve

