

Monocrystalline Photovoltaic Module EGM 280* AR

Specific Features

- 72 monocrystalline solar cells each 125 x 125 mm
- 45 mm robust, anodised aluminium frame
- > 3,2 mm solar glass, highly transparent and low iron
- Installed complete with plugs
- Ammonia Resistance
- Anti-reflective glass

One-Stop Production

- Ingots, wafers, solar cells and solar modules are produced under one roof

Excellent Guarantee

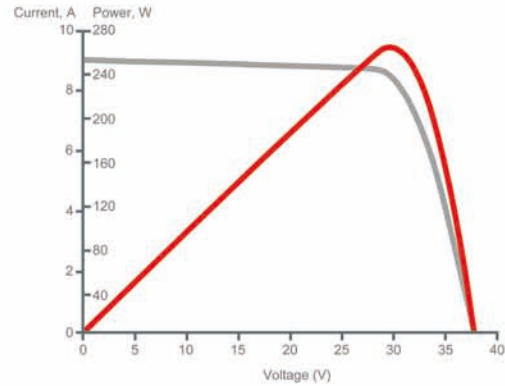
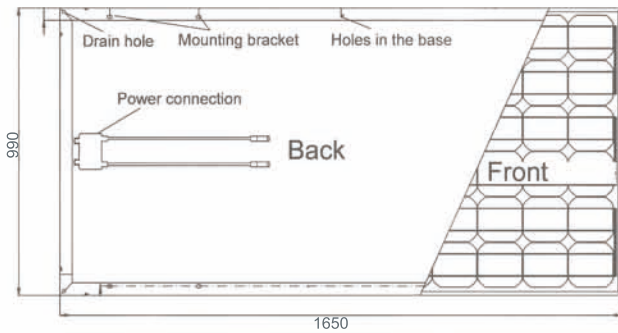
- 10 year manufacturer's product guarantee
- 10 year output guarantee to 90% and
- 25 year up to 80% of nominal output
- Shatter resistant even against table tennis ball-sized hailstones

Certificates and Qualifications

- TÜV, IEC 61215, IEC 61730
- VDE, IEC 61215, IEC 61730
- MCS
- CE



Dimensions and IV curves



Technical Data

Laminate	Glas/foil laminate with 35 mm anodised aluminium frame
Solar cells	60 pcs 156 x 156 mm monocrystalline
Assembly	Cover material: 3,2 mm solar glass, highly transparent, low in iron and hardened; Casing: EVA - solar cells - EVA
Connector	H4 or MC4 similar
Bypass - Diodes	3 pcs
Size of module	1.650 x 990 x 35 mm (L x W x H)
Temperature range	- 40°C to + 85°C
Weight	18,6 kg
Certified	TÜV, IEC 61215 ed.2, IEC 61730, SC II, VDE, MCS and CE

Electrical Data

	270 W	275 W	280 W
Maximum Power	270 W	275 W	280 W
Power Tolerance	+ 3%/- 0%	+ 3%/- 0%	+ 3%/- 0%
Maximum Power Voltage	31,15 V	31,43 V	31,72 V
Maximum Power Current	8,67 A	8,75 A	8,83 A
Open Circuit Voltage	38,03 V	38,22 V	38,39 V
Short Circuit Current	9,11 A	9,16 A	9,22 A
Maximum System Voltage	1000 V		
Temperature coefficient Pn	- 0,43 %/K ± 0,05		
Temperature coefficient Uoc	- 0,325 %/K ± 0,1		
Temperature coefficient Isc	+0,04 %/K ± 0,015		
Standard Test Condition	Irradiance 1000W/m ² , Module temperature 25°C, AM 1.5		