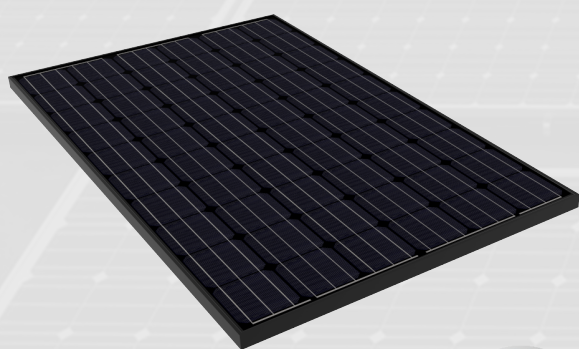


autarco

MC series solar modules



Advantages

The MC series solar modules are monocrystalline modules of the highest quality. They are optimized for use with Autarco inverters and thanks to rigorous quality control and top specifications these models form the perfect basis for your solar power plant.

The modules have excellent component guarantees but of course it's the kWh guarantee of an Autarco PV system that really matters.

- Insured linear 25-year performance guarantee (81.4%)
- Insured 10-year product warranty
- Salt and ammonia resistant
- Free of potential induced degradation (PID)

Applications

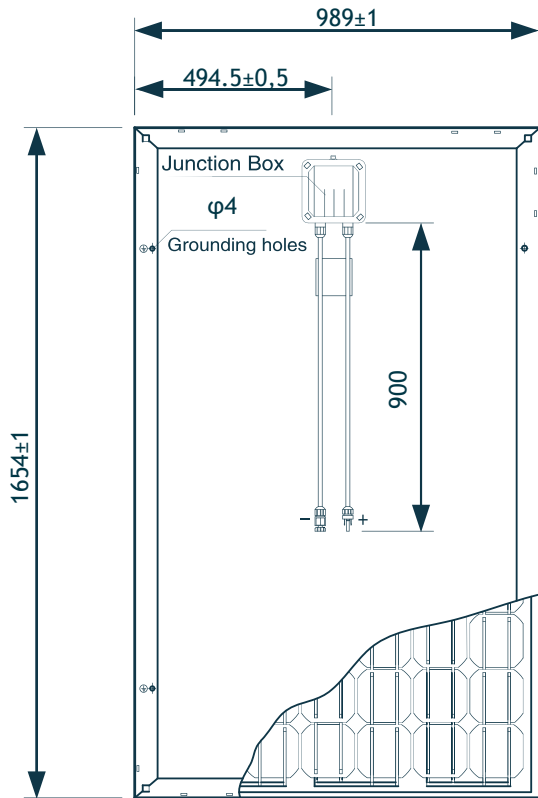
- Commercial projects
- Residential projects
- Agricultural projects
- Large scale PV power plants

Quality certificates

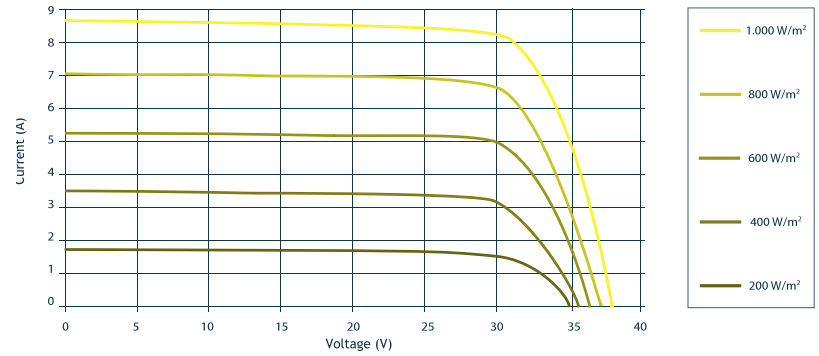
- IEC 61215, IEC61730, VDE, CE, MCS, CEC AU, UL1703
- ISO 9001, 14001, 18001 - CE
- Solarif, PV-Cycle



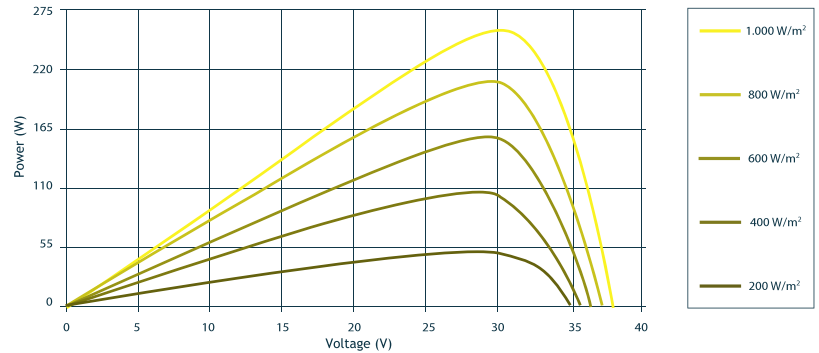
Module dimensions (mm)



IV curve



Power curve



Electrical characteristics

		MC275B-EU	MC285(B)(-EU)	MC300(B)(-EU)
Nominal power output (Wp)	(Pmax)	275	285	300
Power output tolerance (%)	(ΔPmax)	0/+3%	0/+3%	0/+3%
Open circuit voltage (V)	(Voc)	38.05	38.25	38.55
Short circuit current (A)	(Isc)	9.40	9.60	9.90
Max. power voltage (V)	(Vmp)	31.45	31.65	31.95
Max. power current (A)	(Imp)	8.86	9.09	9.44
Module efficiency (%)	(μ)	16.81%	17.42%	18.34%

Electrical values at standard test conditions (STC): irradiation 1000W/m², air density AM1.5 and cell temperature 25 °C
 Max string voltage: 1000V, Max series fuse: 20A

Cells and construction

Cells	60 cells (157 * 157mm) in a 6 * 10 matrix connected in series	
Junction box	IP67 box with 1000mm 4mm ² cable fitted with MC4 connectors	
Diodes	Three by-pass diodes	
Construction	Front:	3.2mm glass
	Back:	polyester (white or black)
	Encapsulant:	EVA (white or black)
Frame	Anodized aluminium 6063-T5 (silver or black)	
Weight	18.2 kg	
Dimensions	1654 * 989 * 40 mm	

Temperature characteristics

Isc (α)	+0.042 % / °C
Voc (β)	-0.329 % / °C
Pmax (γ)	-0.442 % / °C
Nominal cell temperature	46 °C

Other characteristics

Operating temperature range	-40 °C tot 85 °C
Max. load (front / wind)	5400 / 2400 Pa
Ammonia and salt resistance	IEC 62716, 61701
Max. hailstone impact	25mm @ 23m/s
Standard packaging	26 pcs
Quantity per 40' container	728 pcs