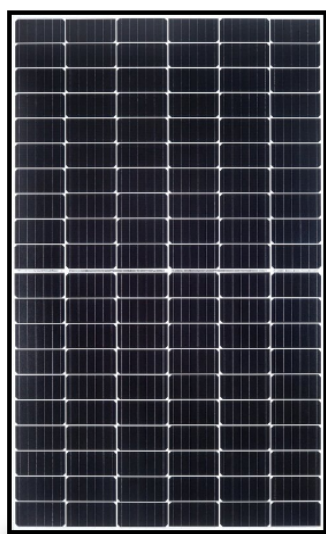




I'M • SOLAR[®] Pro Serie

410W Mono



108 cells monocrystallines



Anti-PID treatment / Hotspot protection



Positive tolerance 0-5%



High resistance to temperature variations



European warranty

Warranty I'M SAFE[®]

You are 3 times better protected

Serenity warranty

Serenity guarantee protects you against all mechanical, meteorological, fire and theft hazards. All I'M.SOLAR[®] solar panels benefit from this insurance for a period of 5 years. Serene, you are now insured against any unpredictable and sudden damage that can degrade your equipment.

Quality warranty

All I'M.SOLAR[®] products have a manufacturer's warranty. This manufacturer's warranty ensures against any manufacturing defect, quality defect and malfunction over a specific period of time. For solar panels the manufacturer's warranty is 30 years.

Linear performance warranty

I'M.SOLAR[®] guarantees a low linear performance decrease of only 0.7% / W each year. We are one of the few manufacturers in Europe to produce our own photovoltaic cells we are able to guarantee the performance of our solar panels over 25 years, applicable every year.



TECHNICAL FEATURES

Type	IM.S-410MB-Pro
Maximum Power (PMPP)	410 Wp
Maximale tension (VMPP)	30.69 V
Rated current (IMPP)	13.37 A
Open circuit voltage (VOC)	37.45V
Current short circuit (SIC)	13.77 A
Tolerance	0-3%

TERMS OF USE

Maximale tension	DC 1500V (IEC)
Operating temperature	-40°C / +85°C
Maximum reverse current	25 A
Maximum wind load/ snow max	2400Pa / 5400Pa
Class of protection	67/68
Fire class	class C

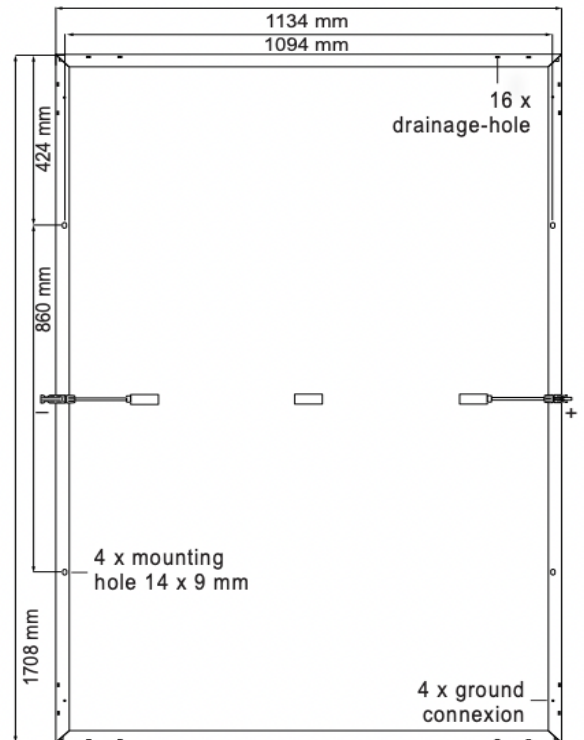
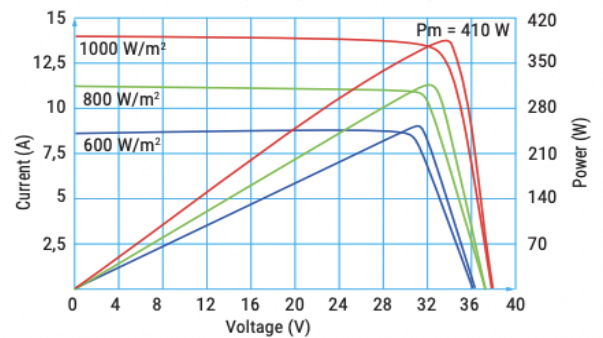
MECHANICAL CHARACTERISTICS

Dimensions cells	166x166mm
Cell's number	6x18,
Thickness glass	2,8 mm reinforced solar glass
Mass	17 kg
Dimensions (L x W x H)	1708 x 1134 x 30mm
Junction box	Plastic, IP67, ventilated
Cable length	1 m
Cable section	4 mm
Number of diodes	3
connector	MC4
Frame	Frame black - White Tedlar
Packaging	36 pcs./palette

TEMPERATURE COEFFICIENTS

Temperature coefficient of temperature	(β) -0.246 % / K
Temperature coefficient of current	(α) +0.0448 % / K
Temperature coefficient of power	(δ) -0.330 % / K

Current - voltage & power voltage curves



Temperature dependence of Isc, Voc, Pmax

