

I'M • SOLAR® Serie

270p Black



60 cells polycristallines



Anti-PID treatment / Hotspot protection



Positive tolerance 0-5%



high resistance to temperature variations



100% European cells manufacture

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 12 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 we are able to guarantee the performance of our solar panels over 25 years, applicable every year.



TECHNICAL FEATURES

Type	IM.P-270P
Maximum Power (PMPP)	270 Wp
Maximale tension (VMPP)	31,28 V
Rated current (IMPP)	8,63 A
Open circuit voltage (VOC)	38,80 V
Current short circuit (SIC)	9,17 A
Tolerance	0-5%

TERMS OF USE

Maximale tension	DC 1000V (TUV)
Operating temperature	-40°C / +85°C
Maximum reverse current	15 A
Maximum wind load/ snow max	2400 Pa / 5400 Pa
Class of protection	65
Security class	II

MECHANICAL CHARACTERISTICS

Dimensions cells	156x156mm (diagonal:200mm)
Cell's number	6x10, 3 strings per line
Thickness glass	3,2 mm reinforced solar glass
Mass	19 kg
Dimensions (L x W x H)	1640 x 992 x 40 (or 42mm)
Junction box	plastic, 1065, ventilated
Cable length	0,8 - 1,1 m
Cable section	4 mm ²
Number of diodes	3
connector	MC4 or equivalent
Frame	anodized aluminum black color
Packaging	25 pcs./palette

TEMPERATURE COEFFICIENTS

Temperature coefficient of temperature (β)	-0,37 % / K
Temperature coefficient of current (α)	+0,06 % / K
Temperature coefficient of puissance (δ)	-0,47 % / K
NOCT	48,3°C

