



# I'M • SOLAR®

420W Glass-Glass



108 cells monocrystallines TOPCON Technologie



Anti-PID treatment / Hotspot protection



Positive tolerance 0-5%



high resistance to temperature variations



Made in Lithuania

## 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 0.3% / 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.S-430W
Maximum Power (PMPP)	420 Wp
Maximale tension (VMPP)	32.15 V
Rated current (IMPP)	13.06 A
Open circuit voltage (VOC)	37.78 V
Current short circuit (ISC)	13.50 A

## TERMS OF USE

Maximale tension	DC 1000/1500V IEC
Operating temperature	-40°C / +85°C
Maximum reverse current	20 A
Maximum wind load/ snow max	3600/8100 Pa
Class of protection	IP68
Security class	II

## MECHANICAL CHARACTERISTICS

Dimensions cells	N Type mono
Cell's number	6x18 (108)
Thickness glass per glass	2mm
Mass	25 kg
Dimensions ( L x W x H )	1722 x 1134 x 30 mm
Junction box	TE Connectivity IP68
Cable length	1.2m
Cable section	4mm
Number of diodes	3
connector	MC4 or equivalent
Frame	Black anodized alu frame
Packaging	33 pcs./pallet

## TEMPERATURE COEFFICIENTS

Temperature coefficient of temperature	( $\beta$ ) -0,26%/°C
Temperature coefficient of current	( $\alpha$ ) +0,03
Temperature coefficient of puissance	( $\delta$ ) -0,31%/°C

