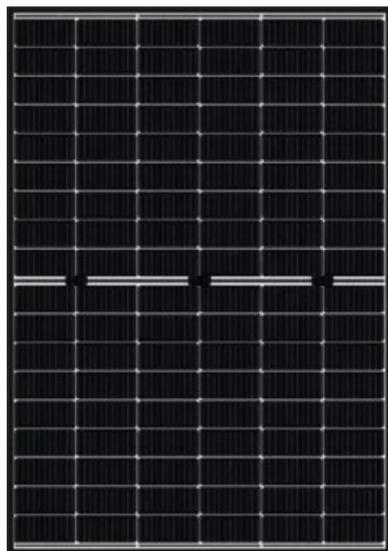




I'M • SOLAR®
520W Glass-Glass



108 cells monocrystallines TOPCON Technologie



Anti-PID treatment / Hotspot protection



Positive tolerance 0-5%



high resistance to temperature variations



Design 100% in European

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-BI-440M+80-BT10/54 |
| Maximum Power (PMPP) | 440 Wp + 80Wp |
| Maximale tension (VMPP) | 32.81 V |
| Rated current (IMPP) | 13.42 A |
| Open circuit voltage (VOC) | 39.40 V |
| Current short circuit (ISC) | 13.84 A |

TERMS OF USE

| | |
|-----------------------------|-------------------|
| Maximale tension | DC 1000/1500V IEC |
| Operating temperature | -40°C / +85°C |
| Maximum reverse current | 30 A |
| Maximum wind load/ snow max | 2400/5400 Pa |
| Class of protection | IP67 |
| Security class | II |

MECHANICAL CHARACTERISTICS

| | |
|---------------------------|--------------------------|
| Dimensions cells | N Type mono Bi-facial |
| Cell's number | 6x18 (108) |
| Thickness glass per glass | 2mm |
| Mass | 24,5 kg |
| Dimensions (L x W x H) | 1762 x 1134 x 30 mm |
| Junction box | TE Connectivity IP68 |
| Cable length | 1.1m |
| Cable section | 4mm |
| Number of diodes | 3 |
| connector | MC4 or equivalent |
| Frame | Black anodized alu frame |
| Packaging | 36 pcs./pallet |

TEMPERATURE COEFFICIENTS

| | |
|--|------------------------|
| Temperature coefficient of temperature | (β) -0,26%/°C |
| Temperature coefficient of current | (α) +0,03 |
| Temperature coefficient of puissance | (δ) -0,31%/°C |

