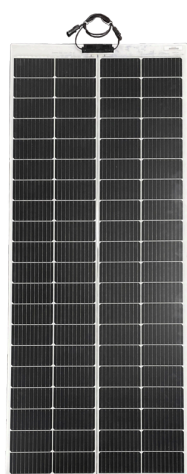


HELIUP STYKON 4x20M10

"Stick on Membrane"

**Lightweight**

<5 kg/m², 60% lighter than conventional PV modules

**Easy to install**

Fast and simple installation by direct bonding

**Sustainable**

Low carbon footprint
Reduced material usage

**Certifications**

PV IEC 61215/61730, low carbon footprint (ECS) and building standards accreditations

**Durable**

Innovative design leading to excellent aging properties and very high mechanical resistance

**Competitive solution**

for production of renewable electricity

**Power Efficiency**

High energy yield - silicon solar cells technology

**Made in France**

Designed and manufactured in France

Application:

HELIUP Stykon® photovoltaic modules are designed for low-bearing capacity rooftops. The product can be directly glued onto the waterproofing element.

Stykon® panels lead to local green energy production and improved building energy efficiency



Electrical Characteristics (STC*)

| Type | 4X20M10P285 | 4X20M10P290 | 4X20M10P295 | 4X20M10P300 |
|-----------------------------|---|-------------|-------------|-------------|
| Bin of Power Class (Pmax) | 285 Wp | 290 Wp | 295 Wp | 300 Wp |
| Maximum Power Voltage (Vmp) | 23.1 V | 23.2 V | 23.2 V | 23.3 V |
| Maximum Power Current (Imp) | 12.4 A | 12.5 A | 12.7 A | 12.9 A |
| Open-circuit Voltage (Voc) | 27.8 V | 27.8 V | 27.9 V | 27.9 V |
| Short-circuit Current (Isc) | 13.2 A | 13.3 A | 13.5 A | 13.7 A |
| Operating Temperature | -40°C to 85°C | | | |
| Maximum System Voltage | 1000 V DC (IEC) | | | |
| Maximum reverse Current | 20 A | | | |
| Application Class | Class II | | | |
| Tolerance | Power : -0/+10 Wp ; Isc ± 3% ; Voc ± 3% | | | |

*STC: Irradiance 1000 W/m², cell temperature 25°C, AM1.5G.

Temperature Characteristics

| | |
|-----------------------------------|------------|
| Normal Operating Cell Temperature | 45°C |
| Temperature Coefficient of Isc | 0.04 %/°C |
| Temperature Coefficient of Voc | -0.25 %/°C |
| Temperature Coefficient of Pmax | -0.33 %/°C |

Certifications and Tests

| | |
|---------------------------|--|
| Certifications | IEC 61215/61730* IEC 61701 - C5* ECS PPE2* |
| Building standards | Compliant with French standards |
| Quality Management | ISO 9001* |

*in progress

General Characteristics

| | |
|-------------------------------|--|
| Solar cell | M10-10BB p-type PERC |
| Number of cells | 4 x 20 |
| Module dimensions | 1949 x 789 x 3 mm |
| Weight | 7.5 kg |
| Junction boxes and connectors | IP-68, Stäubli (MC4-EVO2), 2 bypass diodes |
| Output cables | 4 mm ² length 500 mm ± 10 mm |



*12 Years Product Warranty
25 Years Linear Power Output Warranty
1st year degradation less than 2%
80% of initial power guaranteed after 25 years

