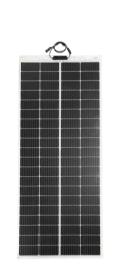


# HELIUP STYKON 4X20M10 "Stick on Membrane"





## Lightweight

<5 kg/m², 60% lighter than conventionnal 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



## **Made in Europe**

Designed and manufactured in France



#### **Competitive solution**

for production of renewable electricity



# **Power Efficiency**

High energy yield - silicon solar cells technology



#### **Durable**

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

# **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



# General Characteristics AD Model M10-10BB p-type PERC half-cells 4 X 20

Number of half-cells4 X 20Module dimensions1949 mm x 789 mm x 3 mm

 Module weight
 7.2 kg

 Weight per m²
 4.8 kg/m²

Junction boxes and connectors IP-68, Stäubli (MC4-EVO2A), 2 by-pass diodes

 Output cables
 4 mm² length 500-700 mm ± 10 mm



# **Certifications and Tests**

Model

Solar cell

Certifications

IEC 61215/61730
IEC 61701 - C5
ECS PPE2

Building standards

Compliant with French standards (BRoof T3)

Quality Management

ISO 9001 ISO 14001



# **Temperature Characteristics**

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NOCT	45°C
Temperature Coefficient of Isc	0.04 %/°C
Temperature Coefficient of Voc	-0.25 %/°C
Temperature Coef. of Pmax	-0.33 %/°C

12 Years Product Warranty
25 Years Linear Power Output Warranty
1st year degradation less than 1%
>89,4% of initial power guaranteed after
25 years

## **Electrical Characteristics (STC\*)**

Туре	4X20M10 285	4X20M10 290	4X20M10 295	4X20M10 300	
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 ; lsc $\pm$ 3% ; Voc $\pm$ 3%				

<sup>\*</sup>STC: Irradiance 1000 W/m², cell temperature 25°C, spectrum AM1.5G.

# **Packaging Information**

Pallet

Dimension



42

Pallet

2080 x 950 x 1200 mm



**Pallet Weight** 

430 kg

Pallet per Lorry

28



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