

Laume Roof

Glass / metal



LAUME
ROOF



Efficiency

Maximum power: $\sim 130 \text{ Wp/m}^2$
Maximum power: 88.5 Wp/module

Dimensions of metal sheet

Width: 510mm
Length: 1658mm

Dimensions of PV module

Width: 460mm
Length: 1383mm

Other parameters

Available colors: ●
Mounting systems: "Click", screws
Minimum roof slope: 7 degrees

Tested in accredited laboratory	
IEC 61251-2: 2021	Wet leakage current test
IEC 61251-2: 2021	UV preconditioning test
IEC 61251-2: 2021	Climatic tests TC
IEC 61251-2: 2021	Climatic tests HF
IEC 61251-2: 2021	Climatic tests DH
IEC 61251-2: 2021	Hail test (25, 35 mm)
ISO 9001:2015	Quality management systems
ISO 14001:2015	Environmental management systems

Warranty	
10 years product warranty	-
25 years efficiency warranty	-
Power in year 20 (%)	85 %

Electrical Characteristics (STC*)	
Maximum power (W)	88.50
Voltage at maximum power point (Vmpp/V)	16.32
Current maximum power point (Impp/A)	5.36
Short circuit current (ISC/A)	5.57
Open circuit voltage (VOC/V)	19.21
Max system voltage (V)	1000
Max current (A)	20

*Under standard test conditions (STC) of irradiance of 1000W/sq.m., spectrum AM 1.5 and cell temperature of 25OC. Flash testing measurement accuracy of +/-5%.

Solar cells temperature coefficient	
Current temperature coefficient (α)	0,045% / °C
Voltage temperature coefficient (β)	0,25% / °C
Power temperature coefficient (δ)	0,32% / °C
Nominal operating module temperature	46 °C

Technical data	
Dimensions of metal sheet (LxWxH) (mm)	1658x510x32
Dimensions of PV module (LxWxH) (mm)	1383x460x5.5
Weight (kg)	11.5
Front glass thickness (mm)	4
Front glass type	tempered low-iron, satin
Back layer thickness (mm)	0.6
Back layer type	Metal sheet
Operating temperature (oC)	-40 + +85
Junction box IP class	IP68
Cable cross section size (mm2)	4
Cable length	0.9 m
Connector	MC4

