

A high efficiency photovoltaic panel, ideal for 100-500 kWp installations, certified low carbon

(<550 kg eq. CO2/kWp, ECS certificate CRE 4 no042-2021_001).

FLASH[®] 405 Half-Cut White



OPTIMIZED PERFORMANCE

High performance monocrystalline cells
White backsheet for better photovoltaic production

WARRANTY

French manufacturer
20 year product warranty offered immediately
+5 year warranty extension upon activation of warranties*

25 year linear performance warranty on photovoltaic performance



* Conditions for activating guarantees on dualsun.com



QUALITY & SAFETY

CE marking
Certification according to IEC standards*
Salt mist corrosion test - IEC standard

* IEC 61215 & 61730 n °Z2 103216 0008 Rev.00
IEC 61701 n °Z2 103216 0009 Rev.00 (salt mist)

AESTHETIC & EASY TO INSTALL

Mechanical resistance up to 5400 Pa
Certified compatibility with most roof mounting systems



INDUSTRY OF THE FUTURE LABEL

Engineered in France :
R&D center in Marseille

IDEAL PANEL FOR ROOF TYPES:

COMMERCIAL



INDUSTRIAL

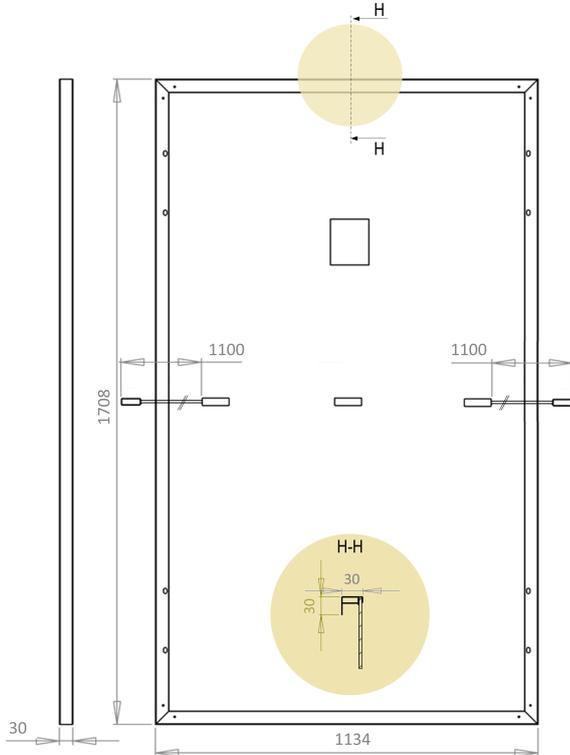


AGRICULTURAL





Dimensions



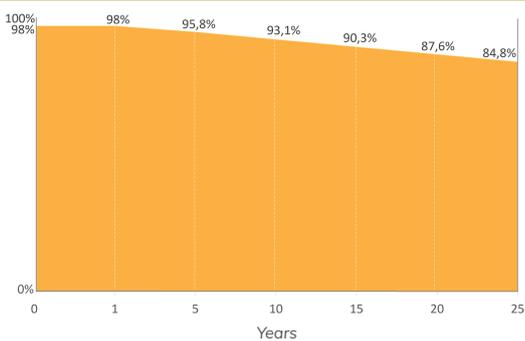
Physical characteristics

Length	1708 mm
Width	1134 mm
Thickness	30 mm
Weight	20 kg
Number of cells	108 1/2
Cell type	PERC Monocrystalline
Connectors	MC4 / MC4 compatible
Cable length	1100 / 1100 mm
Junction box	IP67 - 3 diodes
Maximum load	5400 Pa (snow) / 2400 Pa (wind)
Frame / Backsheet	Black anodised aluminium / White

Operational characteristics

Temperature	-40°C to +85°C
Maximum system voltage	1500 VDC
Maximum reverse current	25 A
NMOT	42 +/- 3°C
Application class	Class II

Linear power output warranty



Photovoltaic characteristics

Nominal power	405 W
Output power tolerance	0 / +3%
Module efficiency	20,91%
Rated voltage (V_{mpp})	30,52 V
Rated current (I_{mpp})	13,28 A
Open circuit voltage (V_{oc})	37,33 V
Short-circuit current (I_{sc})	13,68 A

* STC conditions (AM 1.5 - 1000 W / m² - 25 °C)
Measurement tolerance: +/- 3%

Find the installation instructions and mounting systems in our resource area:



Temperature coefficients

Voltage temperature coefficient (μV_{oc})	-0,246 %/°K
Current temperature coefficient (μI_{sc})	0,0448 %/°K
Power temperature coefficient (μP_{mpp})	-0,33 %/°K

v1.2 – March 2022
DS405-108M10-02