

Perfect in association with hybrid SPRING® panels

 **DUALSUN**



French manufacturer of solar panels

The FLASH® Shingle Black solar panel by DualSun is designed for self-consumption projects without compromising on aesthetics and performance in order to maintain all the elegance of the building

FLASH® 425 Shingle Black



OPTIMIZED PERFORMANCE

High performance monocrystalline cells
Anti-reflective glass ensuring high performance even in diffused light



AESTHETIC & EASY TO INSTALL

Sleek and attractive design
Mechanical resistance up to 5400 Pa
Compatible with all roof installation systems



QUALITY & SAFETY

CE marking
Certification selon les normes IEC*
Salt mist corrosion test - IEC standard

* IEC 61215 & 61730 n°44 780 20 406749 - 219R1M1
IEC 61701 n°(en cours)
IEC 62716 n°(en cours)

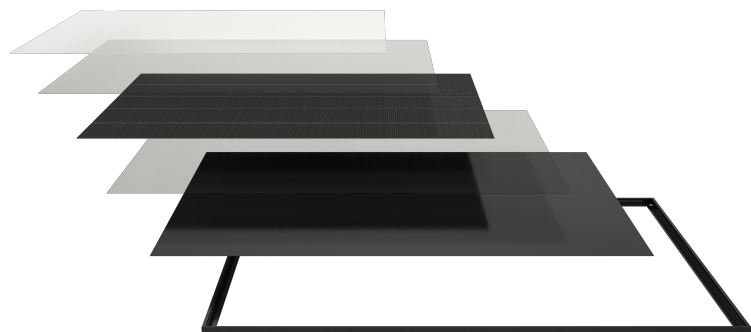
WARRANTY

French manufacturer

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

25 year linear performance warranty on photovoltaic performance

* Conditions for activating guarantees on dualsun.com



RELIABILITY AND COMPETITIVENESS

The DualSun FLASH® photovoltaic panel is manufactured according to very strict specifications, and each production batch is systematically audited by a specialized third-party control office.



INDUSTRY OF THE FUTURE LABEL

Engineered in France :
R&D center in Marseille

IDEAL PANEL FOR ROOF TYPES:

RESIDENTIAL



COMMERCIAL

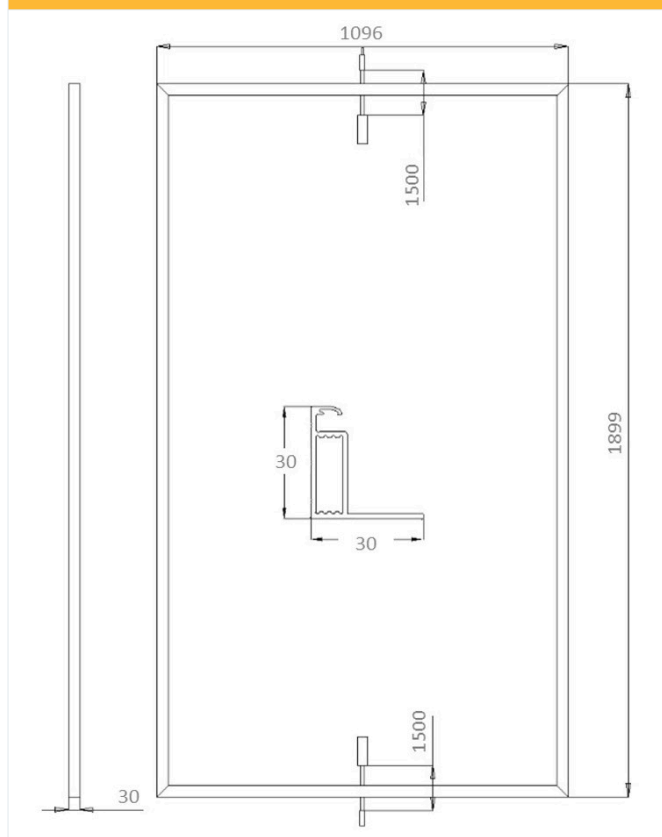


INDUSTRIAL



 Recyclable panel

Dimensions



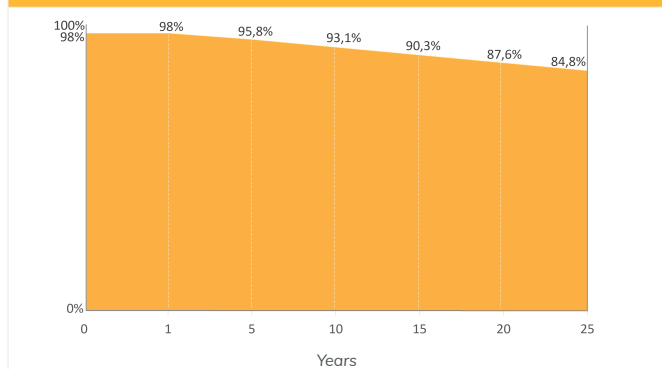
Physical characteristics

Length	1899 mm
Width	1096 mm
Thickness	30 mm
Weight	21,8 kg
Number of cells	320
Cell type	PERC Monocrystalline
Connectors	MC4 / MC4 compatible
Cable length	1500 mm
Junction box	IP67 - 2 diodes
Maximum load	5400 Pa (snow) / 2400 Pa (wind)
Frame / Backsheet	Black anodised aluminium / Black

Operational characteristics

Temperature	-40°C to +85°C
Maximum system voltage	1500 VDC
Maximum reverse current	25 A
NMOT	45 +/- 2°C
Application class	Class II

Linear power output warranty



Photovoltaic characteristics

Nominal power	425 W
Output power tolerance	0/+3%
Module efficiency	20,4 %
Rated voltage (V_{mpp})	36,0 V
Rated current (I_{mpp})	11,81 A
Open circuit voltage (V_{oc})	43,4 V
Short-circuit current (I_{sc})	12,56 A

* STC conditions (AM 1.5 - 1000 W / m² - 25 °C)

Measurement tolerance: +/- 3%

Temperature coefficients

Voltage temperature coefficient (μV_{oc})	-0,27 %/°K
Current temperature coefficient (μI_{sc})	0,04 %/°K
Power temperature coefficient (μP_{mpp})	-0,34 %/°K

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

