

Perfect in association with hybrid SPRING 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® 375 Shingle Black



OPTIMIZED PERFORMANCE

High performance monocrystalline cells
Anti-reflective glass ensuring high performance even in diffused light
Positive classification -0 / + 3%



AESTHETIC & EASY TO INSTALL

Sleek and attractive design
Mechanical load up to 5400 (0,783 PSI)
Compatible with all roof installation systems



QUALITY & SAFETY

IEC 61215 & 61730 : 44 780 20 406749 - 219
CSA certificat (UL 61730) :
ICC-SRCC :



INDUSTRY OF THE FUTURE LABEL

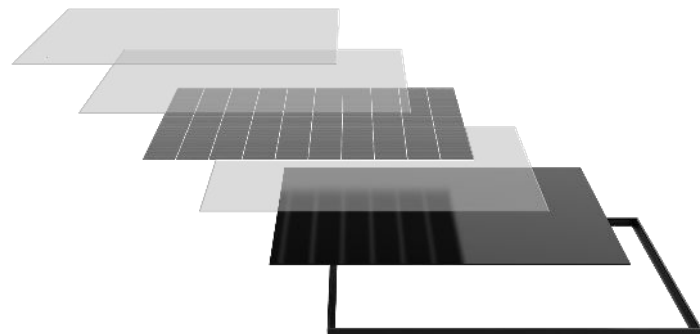
Engineered in France :
R&D center in Marseille

WARRANTY

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.



IDEAL PANEL FOR ROOF TYPES:

RESIDENTIAL



COMMERCIAL

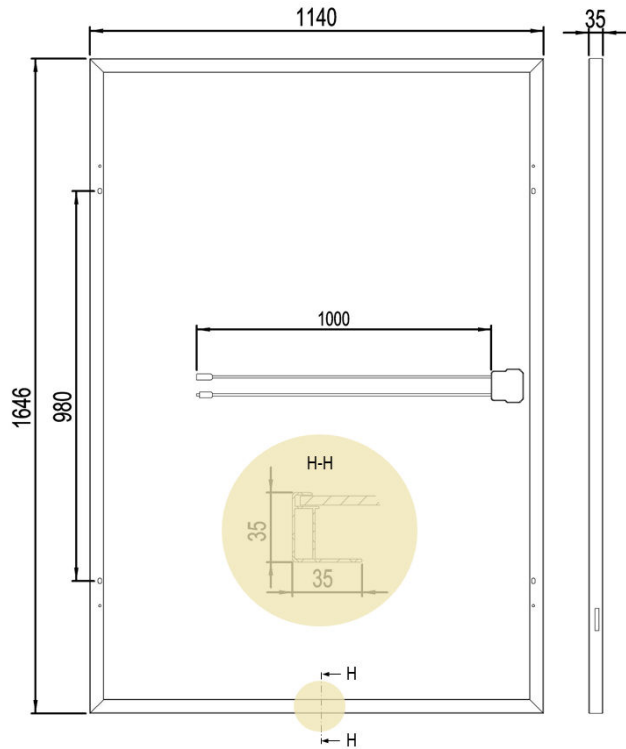


INDUSTRIAL





Dimensions



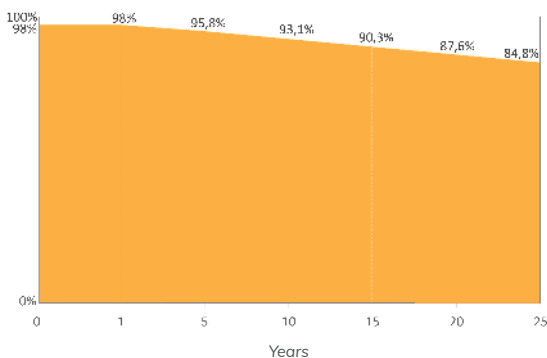
Physical characteristics

Length	1646 mm (64,8 inch)
Width	1140 mm (44,88 inch)
Thickness	35 mm (1,38 inch)
Weight	20,5 kg (45,19 lbs)
Number of cells	360
Cell type	PERC Monocrystalline
Connectors	MC4 Original Stäubli
Cable length	1000 mm (39,37 inch)
Junction box	IP67 - 2 diodes
Maximum load	Snow: 0,783 PSI (5400 Pa) Wind: 0,348 PSI (2400 Pa)
Frame / Backsheet	Black anodised aluminium / Black

Operational characteristics

Temperature	-40°C to +85°C (-40°F to 185°F)
Maximum system voltage	1500 VDC
Maximum reverse current	20 A
NMOT	42,3 +/- 2°C (108,1 +/- 35,6°F)
Application class	Classe II

Linear power output warranty



Photovoltaic characteristics

Nominal power	375 W
Output power tolerance	0 / +3%
Module minimum guaranteed efficiency	20.80 %
Rated voltage (V_{mpp})	40,40 V
Rated current (I_{mpp})	9,28 A
Open circuit voltage (V_{oc})	48,90 V
Short-circuit current (I_{sc})	9,89 A

* STC Conditions (AM 1,5 – 1000 W/m² | 92,9 W/ft² - 25°C | 77°F)
Measurement tolerance: +/- 3%

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



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