

The FLASH® 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® 400 Shingle Black



OPTIMIZED PERFORMANCE

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

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



QUALITY & SAFETY

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

* IEC 61215 & 61730 n°44 780 20 406749 - 219
IEC 61701 n°44 780 20 406749 - 242 (salt mist)

AESTHETIC & EASY TO INSTALL

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



INDUSTRY OF THE FUTURE LABEL

Engineered in France :
R&D center in Marseille

IDEAL PANEL FOR ROOF TYPES:

RESIDENTIAL



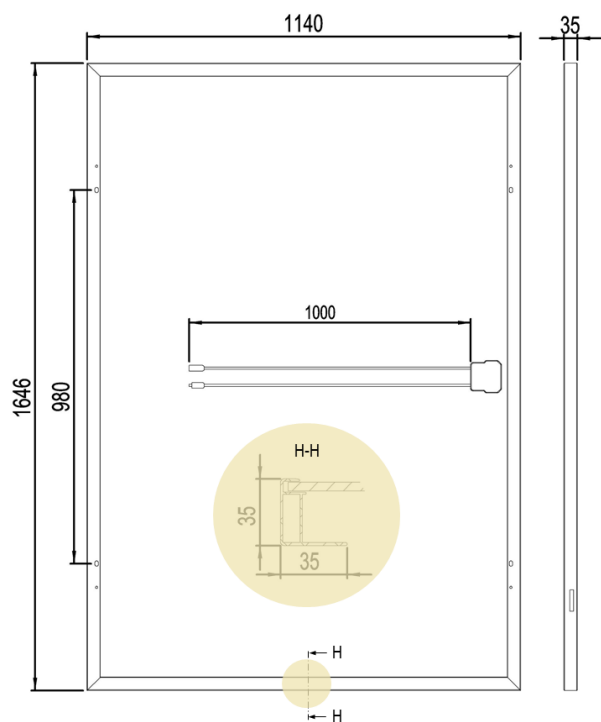
COMMERCIAL



INDUSTRIAL



Dimensions



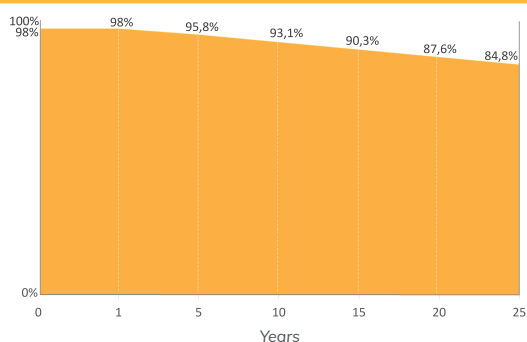
Physical characteristics

Length	1646 mm
Width	1140 mm
Thickness	35 mm
Weight	20,5 kg
Number of cells	360
Cell type	PERC Monocrystalline
Connectors	MC4 / MC4 compatible
Cable length	1000 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	20 A
NMOT	42,3 +/- 2°C
Application class	Class II

Linear power output warranty



Photovoltaic characteristics

Nominal power	400 W
Output power tolerance	+/- 3%
Module efficiency	21,3 %
Rated voltage (V_{mpp})	41,00 V
Rated current (I_{mpp})	9,76 A
Open circuit voltage (V_{oc})	49,50 V
Short-circuit current (I_{sc})	10,12 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})	-0,27 %/°K
Current temperature coefficient (μI_{sc})	0,04 %/°K
Power temperature coefficient (μP_{mpp})	-0,34 %/°K

v1.2 – March 2022
DS400G1-360SBB5