

DualSun's FLASH Half-Cut Black solar panel is designed for self-consumption projects without compromising on aesthetics in order to maintain all the elegance of the building. A high efficiency, low carbon photovoltaic panel.

FLASH[®] 500 Half-Cut Black



OPTIMIZED PERFORMANCE

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

WARRANTY

French manufacturer
20 year of product warranty
+5 years warranty extension upon activation of warranties*
Performance guarantees on the photovoltaic yield of 25 years



* Conditions for activating guarantees on dualsun.com



QUALITY & SAFETY

CE marking
Certified following IEC norms*
Salt mist corrosion test - IEC standard

* IEC 61215 & 61730 n°Z2 103216 004 Rev.01
IEC 61701 n°Z2 103216 0009 Rev.00
IEC 62716 n°Z2 103216 0010 Rev.00

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

Photovoltaic cells laminated in Asia for an optimized value chain
Systematic audit of productions by third-party control office

IDEAL PANEL FOR ROOF TYPES:

RESIDENTIAL



COMMERCIAL

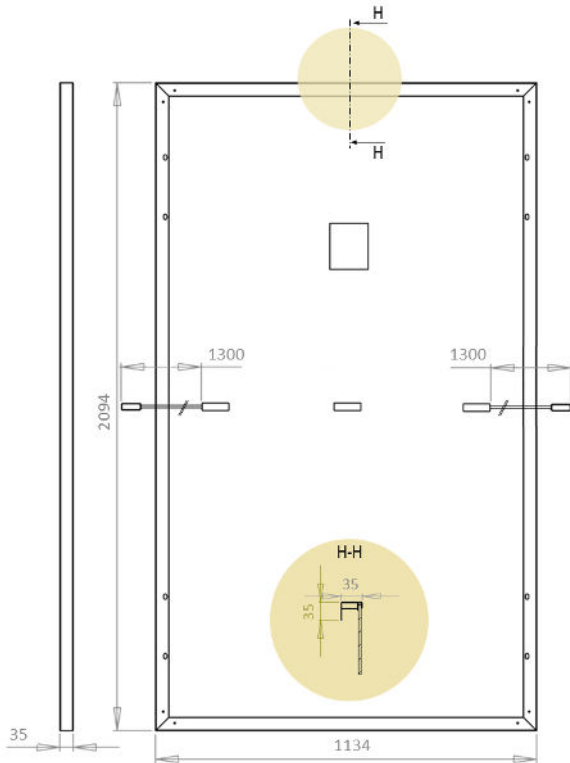


INDUSTRIAL





Dimensions



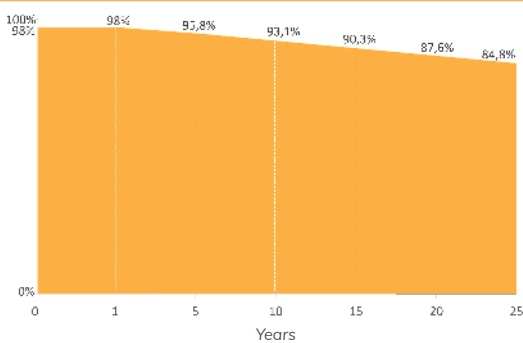
Physical characteristics

Dimensions (L x W x T)	2094 mm x 1134 mm x 35 mm	
Weight	26,0 kg	
Number of cells	132 1/2	
Cell type	PERC Monocrystalline<	
Connectors	MC4 Original Stäubli	
Cable length	1300 / 1300 mm	
Junction box	IP67 - 3 diodes	
Maximum load	5400 Pa (Snow)	2400 Pa (Wind)
Frame / Backsheet	Black anodised aluminium / Black	
ECS value	510 kg CO ₂ /kWc-e	
Glass thickness	3,2mm	

Operational characteristics

Temperature	-40°C to +85°C
Maximum system voltage	1500 VDC
Maximum reverse current	20 A
NMOT	45 +/- 2°C
Application class	Class II

Linear power output warranty



Photovoltaic characteristics

Nominal power	500 W
Output power tolerance	+/-3%
Module efficiency	20,06 %
Rated voltage (V_{mpp})	37,84 V
Rated current (I_{mpp})	13,22 A
Open circuit voltage (V_{oc})	45,6 V
Short-circuit current (I_{sc})	14,07 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})	-0,28 %/K
Current temperature coefficient (μI_{sc})	0,05 %/K
Power temperature coefficient (μP_{mpp})	-0,36 %/K

v1.12- – March 2023
DS500-132M10-01