



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

FLASH[®] 410 Half-Cut White



OPTIMIZED PERFORMANCE

High performance monocrystalline cells. Anti-reflective glass for high performance even in diffused light. White mesh pattern between cells for better photovoltaic production

WARRANTY

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

Performance guarantees on the photovoltaic yield of 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°
IEC 61701 n°
IEC 62716 n°

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

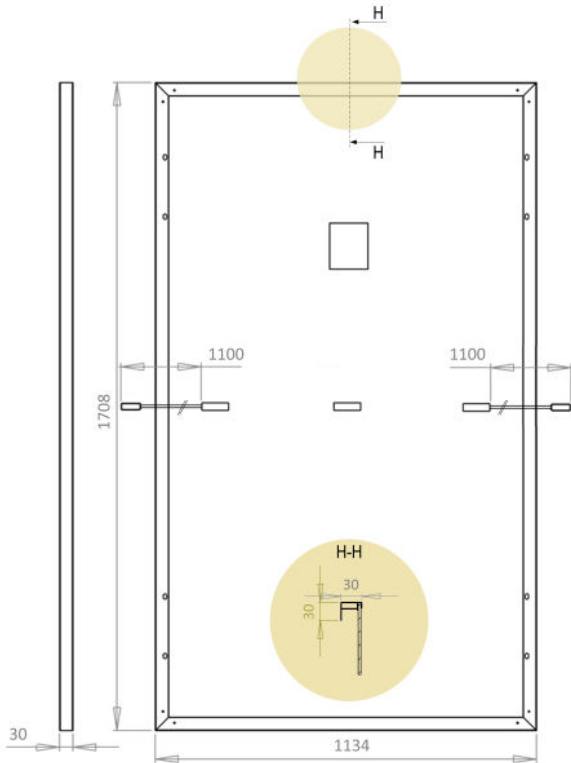


INDUSTRIAL





Dimensions



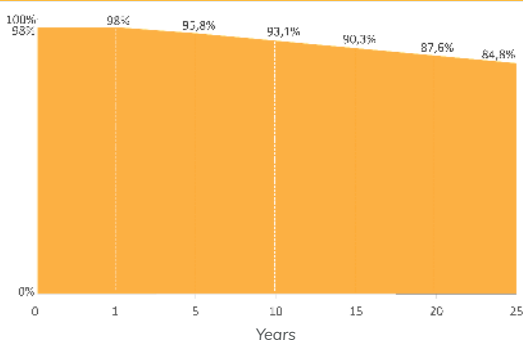
Physical characteristics

Dimensions (L x W x T)	1708 mm x 1134 mm x 30mm	
Weight	20 kg	
Number of cells	108 1/2	
Cell type	PERC Monocrystalline<	
Connectors	MC4 Original Stäubli	
Cable length	1100 / 1100 mm	
Junction box	IP67 - 3 diodes	
Maximum load	5400 Pa (Snow)	2400 Pa (Wind)
Frame / Backsheet	Black anodised aluminium / White	
ECS value	494 kg CO ₂ /kWc-e	
Glass thickness	2,8mm	

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	410 W
Output power tolerance	0 / +3%
Module efficiency	20,91 %
Rated voltage (V_{mpp})	30,69 V
Rated current (I_{mpp})	13,37 A
Open circuit voltage (V_{oc})	37,45 V
Short-circuit current (I_{sc})	13,77 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

v1.3-March 2023 –
DS410-108M10-02