



A low-carbon solar panel incorporating TOPCon technology to achieve a guaranteed module efficiency of 21.8%.

FLASH 425 Half-Cut Glass-Glass TOPcon



OPTIMIZED PERFORMANCE

Monocrystalline cells with N-type TOPCon technology. Bifacial panel for up to 30% more power

WARRANTY

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

Performance guarantees on the photovoltaic yield of 30 years

* Conditions for activating guarantees on dualsun.com



QUALITY & SAFETY

CE marking
Improved hail resistance RG3
Certified following IEC norms*
Salt mist corrosion test - IEC standard

* IEC 61215 & 61730 n°PV 50599295
IEC 61701 n°PV 50608487 0001
IEC 62716 n°PV 50605512 0001

AESTHETIC & EASY TO INSTALL

Sleek and attractive design
Mechanical resistance up to 6600 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

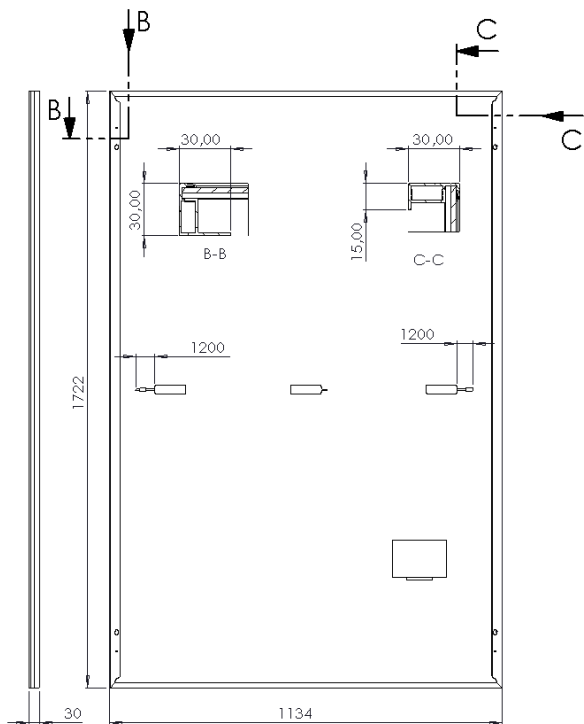


INDUSTRIAL





Dimensions



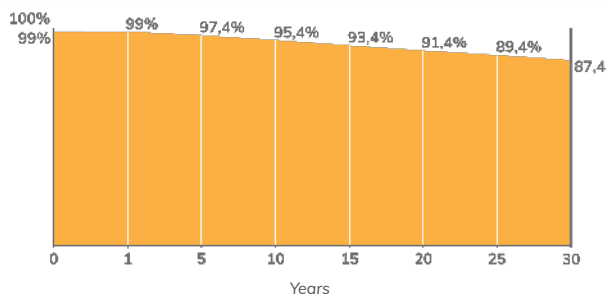
Physical characteristics

Dim (L x W x t)	1722 mm x 1134 mm x 30 mm	
Weight	25,1 kg	
Number of cells	108 1/2	
Cell type	Monocrystalline N-Type TOPCon<	
Connectors	MC4 original EVO2	
Cable length	1400/1400 mm	
Junction box	IP67 - 3 diodes	
Maximum load	6600 Pa (Snow)	3600 Pa (Wind)
Frame / Backsheet	Black anodised aluminium / transparent	
ECS value	534 (PPE2) kg CO ₂ /kWc-e	
Glass thickness	2+2mm	
Bifaciality coef	80% ± 10%	

Operational characteristics

Temperature	-40°C / +85°C
Maximum system voltage	1500 VDC
Maximum reverse current	30 A
NMOT	45+/-2°C
Application class	II

Linear power output warranty



Photovoltaic characteristics

Nominal power	425 W
Output power tolerance	0/+3%
Module minimum guaranteed efficiency	21,8 %
Rated voltage (V _{mpp})	32.21 V
Rated current (I _{mpp})	13.20 A
Open circuit voltage (V _{oc})	38.58 V
Short-circuit current (I _{sc})	13.83 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})	-0,26 %/K
Current temperature coefficient (μI _{sc})	0,038 %/K
Power temperature coefficient (μP _{mpp})	-0,31 %/K

V1.7 - January 2024
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