



A low-carbon solar panel incorporating TOPCon technology to achieve a guaranteed module efficiency of 21.5%.

## 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](https://dualsun.com)



### AESTHETIC & EASY TO INSTALL

Sleek and attractive design  
Mechanical resistance up to 6600 Pa  
Compatible with all roof installation systems



### QUALITY & SAFETY

CE marking  
Hail resistance (RG3)  
Certified following IEC norms\*  
Salt mist corrosion test - IEC standard

\* IEC 61215 & 61730 n°Pending validation  
IEC 61701 n°Pending validation  
IEC 62716 n°Pending validation

### 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

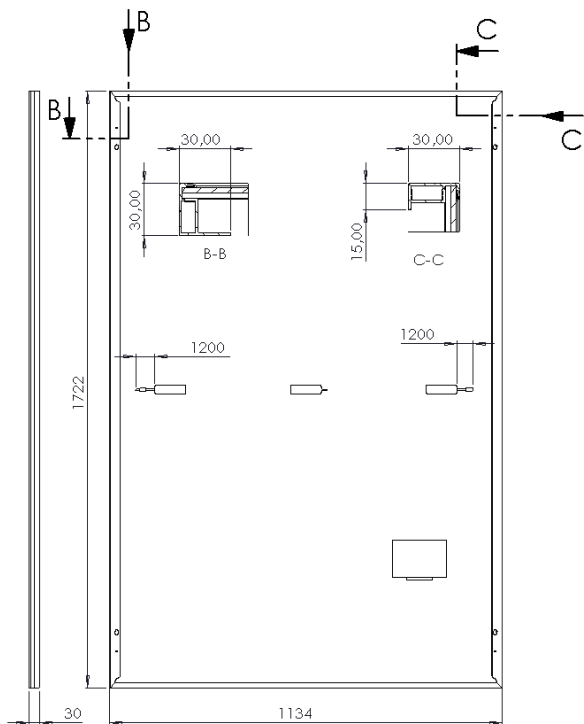


INDUSTRIAL





### Dimensions



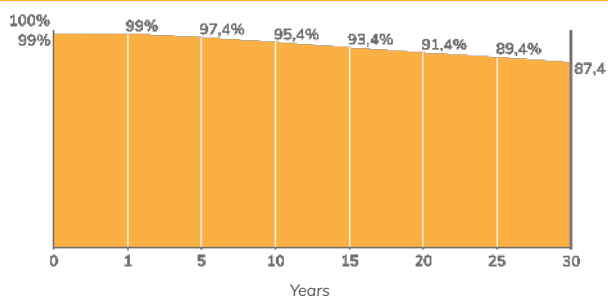
### Physical characteristics

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	kg CO <sub>2</sub> /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	+/-5W
Module minimum guaranteed efficiency	21,5 %
Rated voltage (V <sub>mpp</sub> )	32,21 V
Rated current (I <sub>mpp</sub> )	13,2 A
Open circuit voltage (V <sub>oc</sub> )	38,58 V
Short-circuit current (I <sub>sc</sub> )	13,83 A

\* STC conditions (AM 1.5 - 1000 W / m<sup>2</sup> - 25 ° C)  
Measurement tolerance: +/- 3%

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



### Temperature coefficients

Voltage temperature coefficient (μV <sub>oc</sub> )	-0,26 %/K
Current temperature coefficient (μI <sub>sc</sub> )	0,038 %/K
Power temperature coefficient (μP <sub>mpp</sub> )	-0,31 %/K

V1.1- – August 2023  
DS425-108M10TB-03