



French manufacturer of solar panels

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® 320 Black



OPTIMIZED PERFORMANCE

High performance monocrystalline cells Positive classification -0/+5 Wp Anti-reflective glass ensuring high performance even in diffused light



French manufacturer
25-year linear power output warranty
20 years product warranty, 25 years in option*
(product and labour)

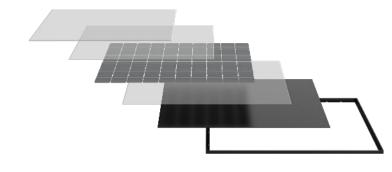


* Please refer to DualSun Premium Warranty Terms



AESTHETIC & EASY TO INSTALL

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





QUALITY & SAFETY

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

* IEC 61215 & 61730 n °Z2 103216 0006 Rev.01 IEC 61701 n °Z2 103216 0007 Rev.00 (salt mist) UL1703 n°80035968. CEC listed



The DualSun FLASH® photovoltaic panel is manufactured according to very strict specifications, and each production batch is systematically audited by a specialized third-party control office.





INDUSTRY OF THE FUTURE LABEL

Engineered in France :

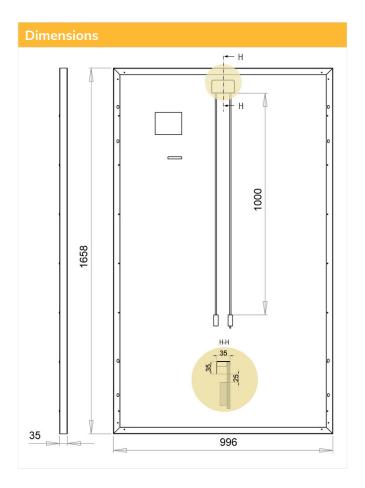
R&D center in Marseille





FLASH® 320 Black





100% 90,7% 87.2%



Length 1658 mm Width 996 mm Thickness 35 mm Weight 19,5 kg Number of cells 60

Cell type PERC Monocrystalline Connectors MC4 / MC4 compatible

900 mm Cable length

Junction box IP67 - 3 diodes

Maximum load 5400 Pa (snow) / 2400 Pa (wind) Frame / Backsheet Black anodised aluminium / Black

Temperature -40°C to +85°C Maximum system voltage 1000 VDC 20 A Maximum reverse current NMOT 45 +/- 2°C Class II Application class

| Nominal power | 320 W |
|--|---------|
| Output power tolerance | 0/+5W |
| Module efficiency | 19,38 % |
| Rated voltage (V _{mpp}) | 33,13 V |
| Rated current (I _{mpp}) | 9,66 A |
| Open circuit voltage (V _{oc}) | 40,43 V |
| Short-circuit current (I _{sc}) | 10,19 A |

STC conditions (AM 1.5 - 1000 W / m² - 25 ° C) Measurement tolerance: +/- 3%

| Voltage temperature coefficient (µV _{oc}) | -0,29 %/°K |
|---|------------|
| Current temperature coefficient (µI _{Sc}) | 0,05 %/°K |
| Power temperature coefficient (µP _{mnn}) | -0,36 %/°K |





