



French manufacturer of solar panels

The FLASH AC® Black 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 AC® 300 Black



PREMIUM PHOTOVOLTAIC

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

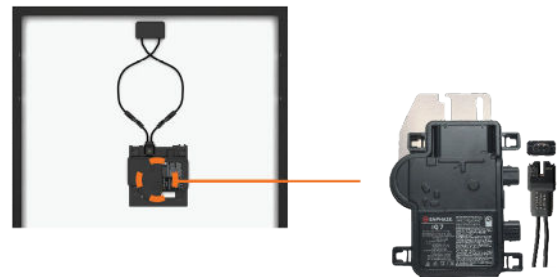
PLUG & PLAY PANEL

All-in-one solar panel including directly an Enphase IQ™ 7 microinverter
Time saving for **faster installations** of products
Simplified logistics



WARRANTY

25-year linear power output warranty
Warranty on DualSun panels up to 25 years
25 Year Enphase IQ™ 7 Microinverter Warranty



QUALITY & SAFETY

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

* IEC 61215 & 61730 n °22 103216 0006 Rev.01
IEC 61701 n °22 103216 0007 Rev.00 (salt mist)

Factory pre-integrated ENPHASE IQ7 micro-inverter onto the rear face of the FLASH® panel

The module is compatible with the full range of Enphase IQ products: Q cable, IQ Envoy and Enlighten app



INDUSTRY OF THE FUTURE LABEL

Engineered in France :
R&D center in Marseille

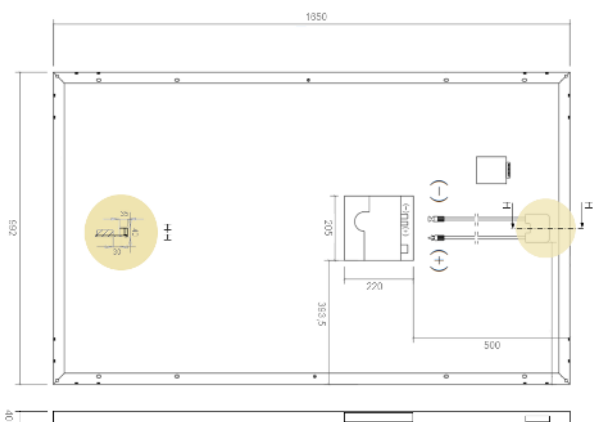
IDEAL PANEL FOR ROOF TYPES:

RESIDENTIAL





Dimensions

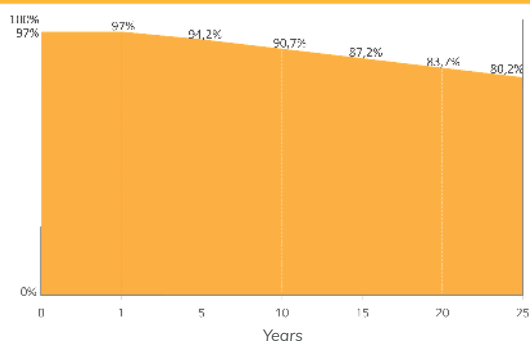


Photovoltaic characteristics

Nominal power	300 W
Output power tolerance	0 / +5W
Module efficiency	18,33 %
Rated voltage (V_{mpp})	33,19 V
Rated current (I_{mpp})	9,05 A
Open circuit voltage (V_{oc})	9,05 V
Short-circuit current (I_{sc})	9,44 A
Temperature	-40°C to +85°C
Maximum system voltage	1000 VDC
Maximum reverse current	15 A
NMOT	42 +/- 3°C
Application class	Class II
Voltage temperature coefficient ($\mu V_{oc}/K$)	-0,270 %/°K
Current temperature coefficient ($\mu I_{sc}/K$)	0,038 %/°K
Power temperature coefficient ($\mu P_{mpp}/K$)	-0,365 %/°K

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

Linear power output warranty



Physical characteristics

Length	1650 mm
Width	992 mm
Thickness	40 mm
Number of cells	60
Cell type	PERC Monocrystalline
Connectors	MC4 / MC4 compatible
Junction box	IP67 - 3 diodes
Maximum load	5400 Pa (snow) / 2400 Pa (wind)
Frame / Backsheet	Black anodised aluminium / Black

AC Electrical Characteristics

Max output power	250 VA
Max continuous output power	240 VA
Nominal (L-L) voltage / range*	240 V / 211-264 V - 208 V / 183-229 V
Max continuous output current	1,0 A (240 V) - 1,15 A (208 V)
Nominal frequency	60 Hz
Extended frequency range	47 - 68 Hz
Max units per 20A (L-L) branch circuit**	16 (240 VAC) - 13 (208 VAC)
Max units per cable	16 (240 VAC) - 13 (208 VAC)
Overvoltage class AC port	III
AC port backfeed current	18 mA
Power factor setting	1,0
Power factor (adjustable)	0,85 leading to 0,85 lagging
Ambient temperature range	-40°C to +65°C

Compliant with CA Rule 21 (UL 1741-SA) , UL 62109-1, UL1741/ IEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 107.1-01

Monitoring by Power Line Communication (PLC):
Enlighten Manager and MyEnlighten monitoring options
Compatible with Enphase Envoy-S

* Nominal voltage range can be extended beyond nominal if required by the utility

** Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area

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

