

Perfect in association with hybrid SPRING® 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 DSxxxG1-360SBB5



### OPTIMIZED PERFORMANCE

High performance monocrystalline cells  
Positive classification -0/+3%  
Anti-reflective glass ensuring high performance even in diffused light

### WARRANTY

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

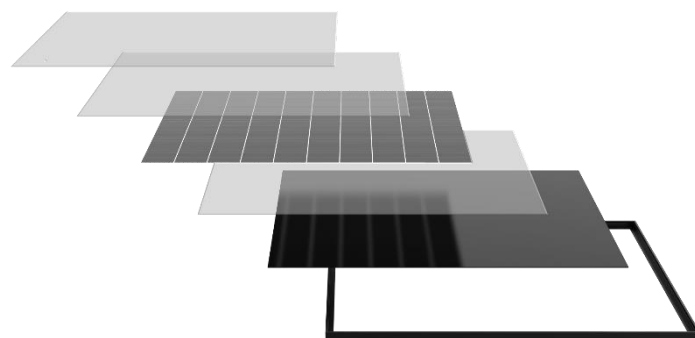


\* Please refer to DualSun Premium Warranty Terms



### 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°44 780 20 406749 - 219  
IEC 61701 n°44 780 20 406749 - 242 (salt mist)

### RELIABILITY AND COMPETITIVENESS

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  
Manufactured in our audited factory in China

### IDEAL PANEL FOR ROOF TYPES:

RESIDENTIAL



COMMERCIAL



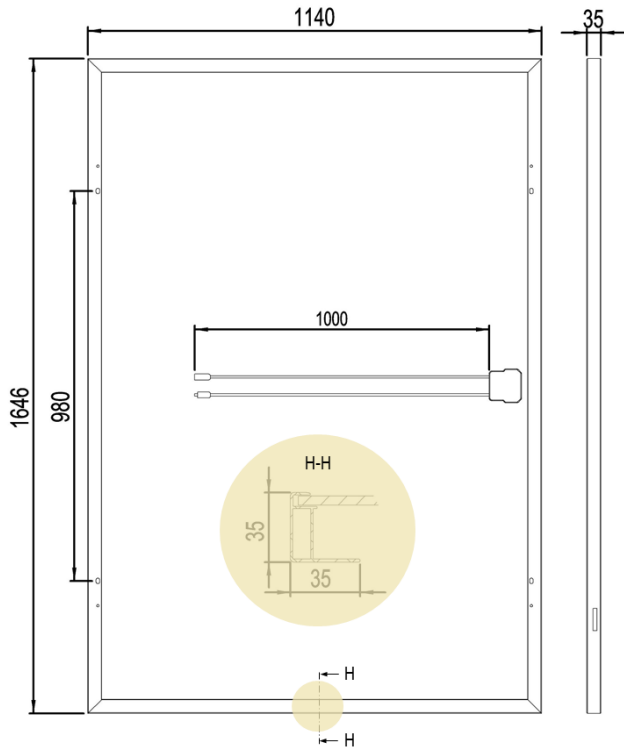
INDUSTRIAL



Recyclable panel



## Dimensions



## Physical characteristics

|                   |                                  |
|-------------------|----------------------------------|
| Length            | 1646 mm                          |
| Width             | 1140 mm                          |
| Thickness         | 35 mm                            |
| Weight            | 20,5 kg                          |
| Number of cells   | 360                              |
| Cell type         | PERC Monocrystalline             |
| Connectors        | MC4EVO2                          |
| Cable length      | 1000 mm                          |
| Junction box      | IP67 - 2 diodes                  |
| Maximum load      | 5400 Pa (snow) / 2400 Pa (wind)  |
| Frame / Backsheet | Black anodised aluminium / Black |

## Operational characteristics

|                         |                |
|-------------------------|----------------|
| Temperature             | -40°C to +85°C |
| Maximum system voltage  | 1500 VDC       |
| Maximum reverse current | 20 A           |
| NMOT                    | 42,3 +/- 2°C   |
| Application class       | Class II       |
| Fire class              | C              |

## Photovoltaic characteristics\*

|   | 370  | 375  | 380  | 385  | 390   | 395   | 400   |
|---|------|------|------|------|-------|-------|-------|
| Nominal power (Pmpp / W) (tolerance -0/+3%) | 370  | 375  | 380  | 385  | 390   | 395   | 400   |
| Module efficiency(%)                        | 19,7 | 20,0 | 20,3 | 20,5 | 20,8  | 21,1  | 21,4  |
| Rated voltage (Vmpp / V)                    | 40,2 | 40,4 | 40,6 | 40,8 | 41,0  | 41,2  | 41,4  |
| Rated current (Impp / A)                    | 9,20 | 9,28 | 9,36 | 9,44 | 9,51  | 9,59  | 9,67  |
| Open circuit voltage (Voc / V)              | 48,7 | 48,9 | 49,1 | 49,3 | 49,3  | 49,4  | 49,5  |
| Short-circuit current (Isc / A)             | 9,85 | 9,89 | 9,93 | 9,98 | 10,03 | 10,07 | 10,12 |

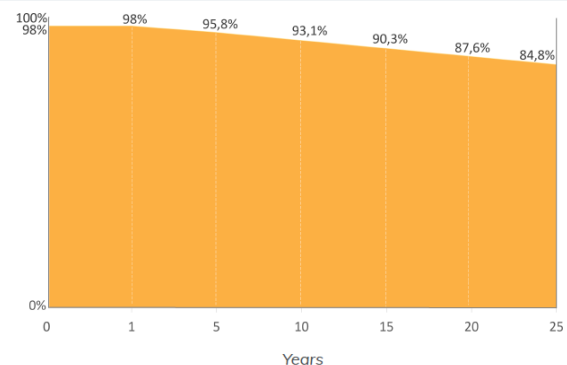
\* STC conditions (AM 1.5 - 1000 W / m<sup>2</sup> - 25 ° C)  
Measurement tolerance: +/- 3%

## Temperature coefficients

|  |            |
|--|------------|
| Voltage temperature coefficient (μVoc) | -0,27 %/°K |
| Current temperature coefficient (μIsc) | 0,04 %/°K  |
| Power temperature coefficient (μPmpp)  | -0,34 %/°K |

v1.3 - 2022 - DSxxxG1-360SBB5

## Linear power output warranty



### National Support Office

2/19 Enterprise Drive  
Bundoora VIC 3083  
P: (03) 9460 4200  
info@supremeheating.com.au  
supremeheating.com.au

### New South Wales

19/24 Anzac Avenue  
Smeaton Grange NSW 2567  
P: (02) 4648 4766  
solar.nsw@supremeheating.com.au  
salesnsw@supremeheating.com.au

### Queensland

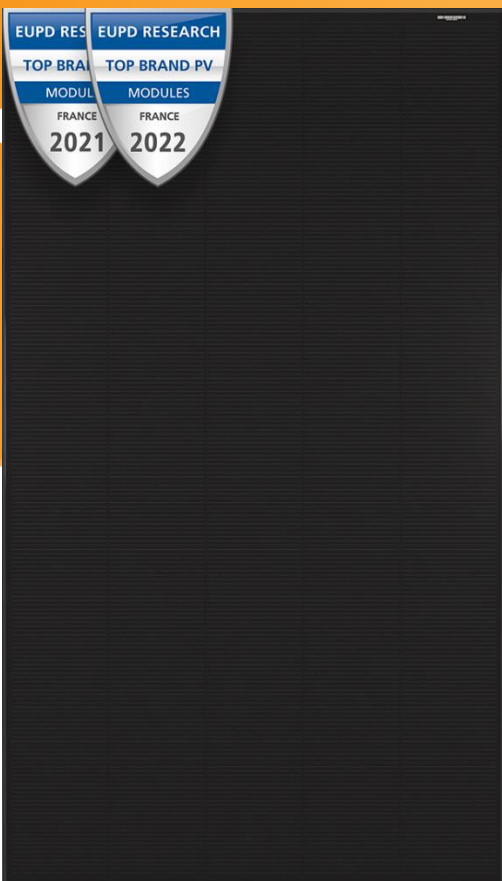
Unit 4, 7-9 De Barnett Street  
Coomera QLD 4209  
P: (07) 3807 6308  
contact@supremeheatingqld.com.au

### South Australia

Unit 19, 11-31 Port Wakefield Road  
Gepps Cross SA 5094  
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### Western Australia

1/90 Distinction Rd  
Wangara WA 6065  
M: 0409 411 581  
jhowell@supremeheating.com.au



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## FLASH DSxxxM12-B320SBB7



### OPTIMIZED PERFORMANCE

High performance monocrystalline cells  
Anti-reflective glass ensuring high performance even in diffused light

### WARRANTY

French manufacturer

20 product warranty offered immediately  
+5 years warranty extension upon activation  
25 year linear performance warranty on photovoltaic performance

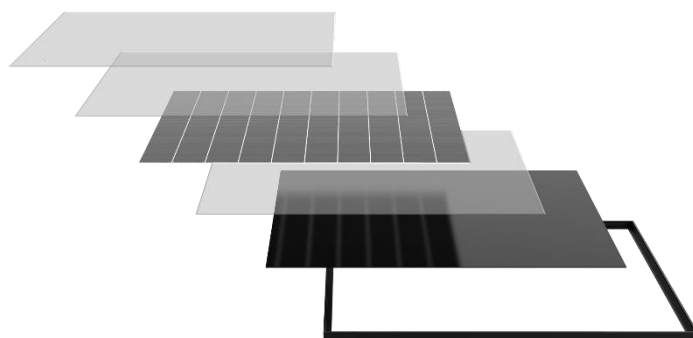


\* Please refer to DualSun Premium Warranty Terms



### 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\*\*  
Ammonia test - IEC standard\*\*\*  
IEC61215&61730 n° 44 780 20 406749 - 219R1M1\*  
IEC 61701 n° 44 780 20 06749 - 242R1M1\*\*  
IEC 62716 n° 44 780 22 406 749 - 222\*\*\*

### RELIABILITY AND COMPETITIVENESS

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



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Manufactured in our audited factory in China

### IDEAL PANEL FOR ROOF TYPES:

RESIDENTIAL



COMMERCIAL



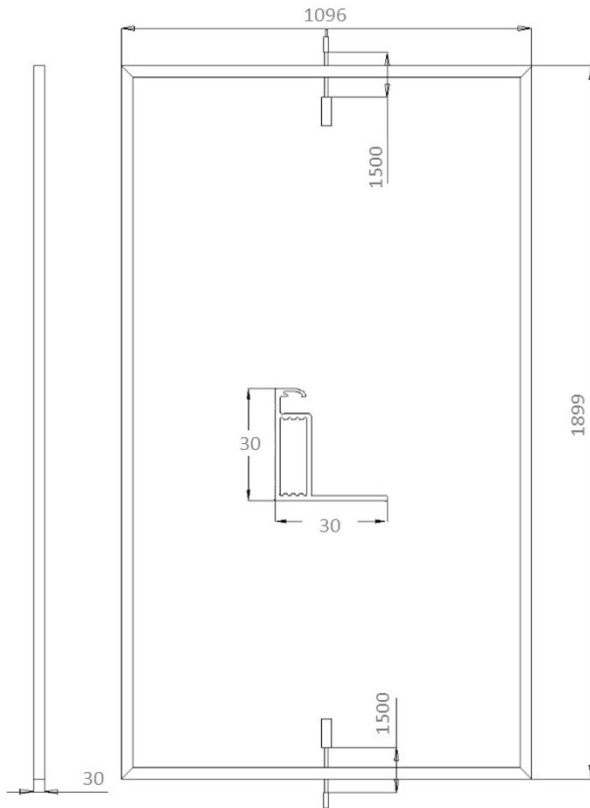
INDUSTRIAL



Recyclable panel



## Dimensions



## Physical characteristics

|                   |                                  |
|-------------------|----------------------------------|
| Length            | 1899 mm                          |
| Width             | 1096 mm                          |
| Thickness         | 30 mm                            |
| Weight            | 21,8 kg                          |
| Number of cells   | 320                              |
| Cell type         | PERC Monocrystalline             |
| Connectors        | MC4, EVO2                        |
| Cable length      | 1500 mm                          |
| Junction box      | IP67 - 2 diodes                  |
| Maximum load      | 5400 Pa (snow) / 2400 Pa (wind)  |
| Frame / Backsheet | Black anodised aluminium / Black |

## Operational characteristics

|                         |                |
|-------------------------|----------------|
| Temperature             | -40°C to +85°C |
| Maximum system voltage  | 1500 VDC       |
| Maximum reverse current | 25 A           |
| NMOT                    | 45 +/- 2°C     |
| Application class       | Class II       |
| Fire class              | C              |

## Photovoltaic characteristics\*

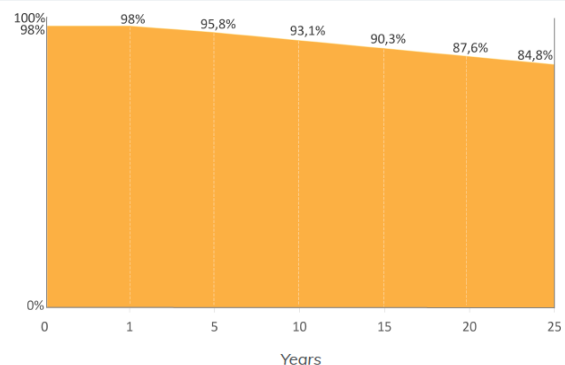
| Nominal power (P <sub>mpp</sub> / W) (tolerance -0/+ 3%) | 420   | 425   | 430   | 435   | 440   |
|--|-------|-------|-------|-------|-------|
| Module efficiency (%)                                    | 20,2  | 20,4  | 20,7  | 20,9  | 21,1  |
| Rated voltage (V <sub>mpp</sub> / V)                     | 35,9  | 36    | 36,1  | 36,2  | 36,3  |
| Rated current (I <sub>mpp</sub> / A)                     | 11,71 | 11,81 | 11,92 | 12,02 | 12,13 |
| Open circuit voltage (V <sub>oc</sub> / V)               | 43,3  | 43,4  | 43,5  | 43,6  | 43,7  |
| Short-circuit current (I <sub>sc</sub> / A)              | 12,46 | 12,56 | 12,68 | 12,79 | 12,9  |

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

## Temperature coefficients

|   |            |
|---|------------|
| Voltage temperature coefficient (μV <sub>oc</sub> ) | -0,27 %/°K |
| Current temperature coefficient (μI <sub>sc</sub> ) | 0,04 %/°K  |
| Power temperature coefficient (μP <sub>mpp</sub> )  | -0,34 %/°K |

## Linear power output warranty



v1.1 - October 2022 - DSxxxM12-B320SBB7

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