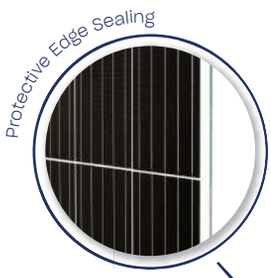
SOLID Bifacial

Glass / Glass

60 Cell

Frameless



Self-cleaning effect

Salt mist resistance

Fire class A

Dust & Sand resistance

Ammonia resistance

Positive sorting up to +5W

Front side	320W	80W	Back side

30	87%	30
Product warranty	Power guarantee	Efficiency guarantee

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G052020-1

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60 Cell

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Electrical data (STC*)	
Maximum Power	**320**
Cell Technology	**Bifacial**
Open circuit voltage (V_{OC}/V)	41,48
Short circuit Current (I_{SC}/A)	9,76
Max Power Voltage (Vmpp/V)	34,91
Max Power Current (Impp/A)	9,19
Module Efficiency (η)	18,79%
Max System Voltage (V)	1500
Max Current (A)	15
Power Tolerance	0/+5W

***Under Standart Test Conditions (STC) of irradiance of 1000W/sq. m., spectrum AM 1.5 and cell temperature of 25 C** Flash testing measurement accuracy of +/- 5% All transparency values are approximate +/- 3%

Additional power gain	5%	10%	20%	25%
Total Module Power (Wp)	336	352	384	400

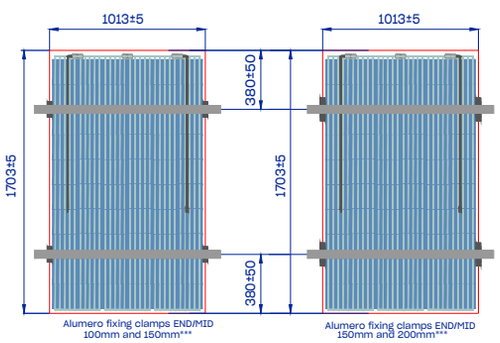
Temperature ratings	
Current temperature coefficient (α)	+0,04% /° C
Voltage temperature coefficient (β)	-0,35% /° C
Power temperature coefficient (δ)	-0,47% /° C
Nominal Operating Module Temperature	46° C

Mechanical data	
Dimensions (LxWxH) (mm)	1695x1005x7,1
Dimensions with edge sealing (LxWxH) (mm)	1703±5x1013±5x7,1
Weight (kg)	28
Front / Back glass (mm)	3 mm
Cell Type	Bifacial
Cell Size (mm)	158,75x158,75
Transparency %	10
Cell configuration	6x10
Frame	Frameless
Operating Temperature (˚C)	-40 ÷ +85
Max Load (wind/snow) (Pa)	1600/5330**
Junction Box / IP Class	Split junction box / IP68
Cable Cross Section Size (mm2)	4
Cable length	1,2 m
Bypass Diodes	3
Connector	MC4 compatible

****Safety factor 1,5**

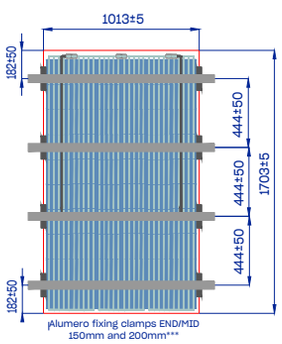
Dimensions & Mounting

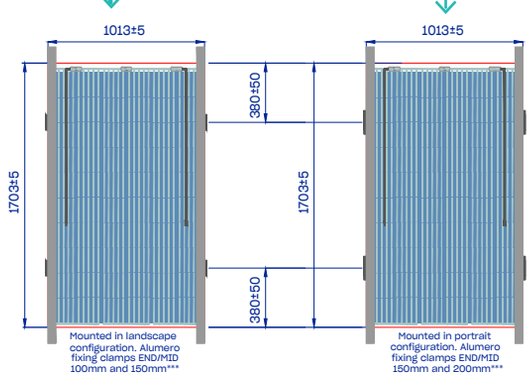
1600/1600 Pa**



1600/3600 Pa**

1600/5330 Pa**



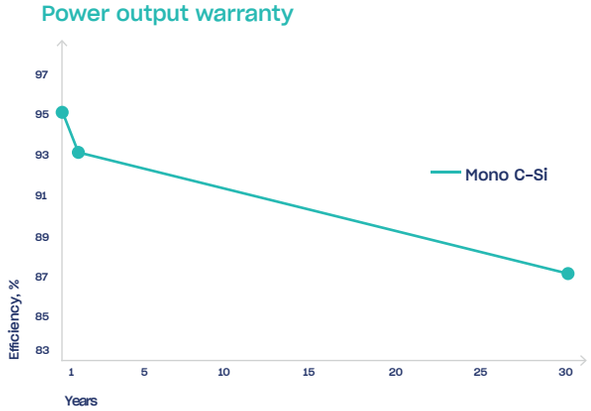


***When a module is installed in portrait orientation on the pitched roof which has >45° slope, additional hook in the bottom of the module is required

****For details please refer to SoliTek SOLID installation manual

*****If the mounting rails are installed across the module, bifaciality effect will be lower due to cells shading

Power output warranty



Attention

- Always check if your system is compatible with local environmental conditions (wind/ snow load, temperatures) on your site to ensure safety and long-term energy production.
- Do not connect differently orientated PV panels in the same string / MPPT of the inverter (unless optimizers are used).
- Do not connect strings with an unequal amount of PV panels in one MPPT (unless optimizers are used).
- Use PV panels of same electrical parameters in one string/MPPT (unless optimizers are used).
- Always ensure that your inverter is equipped with DC disconnector. If not it is recommended to install it externally.
- Never let different metals come in contact with each other. Use bi-metallic plates or plastic separators to eliminate galvanic corrosion.
- It is highly recommended to install SPD's in both AC and DC circuits because overvoltages void the warranty for inverters and also panels if they are harmed.
- It is highly recommended to ground PV panels mounting system and to install lightning protection in site.

Tips for Better Power Output

- Better module ventilation and shorter connection cables increase electrical energy production.
- Always observe object/mutual shading in site. Shading can drastically cut electrical energy generation output.
- Increase PV panel height from the ground so that more light can travel beneath the module and then reflect.
- The Albedo value increases significantly if modules are installed above white, lightreflecting surfaces.

Certificates and memberships

PID free

IEC 61215
IEC 61730

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