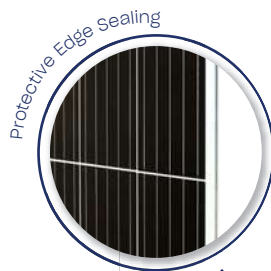


# SOLID Pro

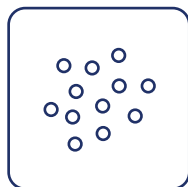
Glass / Glass

60 Cell

Frameless



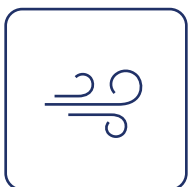
Self-cleaning effect



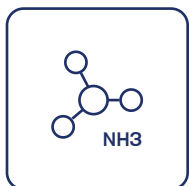
Salt mist resistance certified



Fire class A certified



Dust & Sand resistance



Ammonia resistance



Extreme load resistance

Positive sorting up to +5W

**SOLITEK**

Mono

⚡ 320W

⚡ 275W

Poly

Mokslininku str. 6A,  
Vilnius 08412, Lithuania  
Tel. +370 5 263 8774  
info@solitek.eu  
www.solitek.eu

G052020-1

30

Product warranty

87%

Power guarantee

30

Efficiency guarantee

Glass / Glass

Electrical data (STC*)		
Maximum Power	<b>320</b>	<b>275</b>
Cell Technology	<b>Mono C-Si</b>	<b>Poly C-Si</b>
Open circuit voltage ( $V_{oc}/V$ )	41,16	38,13
Short circuit Current ( $I_{sc}/A$ )	9,77	9,26
Max Power Voltage ( $V_{mpp}/V$ )	34,23	31,23
Max Power Current ( $I_{mpp}/A$ )	9,36	8,81
Module Efficiency ( $\eta$ )	18,79%	16,14%
Max System Voltage (V)	1500	
Max Current (A)	15	
Power Tolerance	0/+5W	

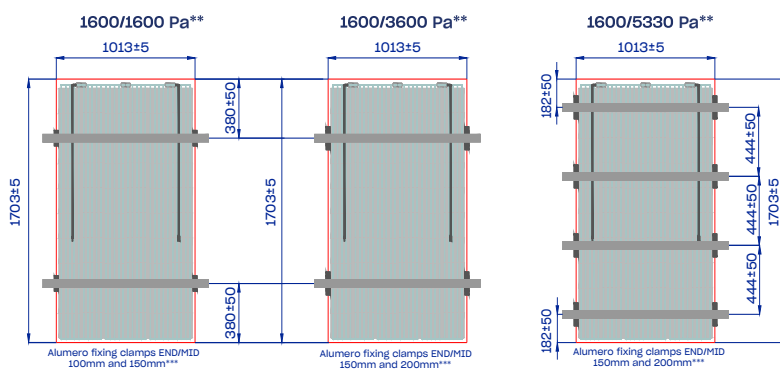
\*Under Standard Test Conditions (STC) of irradiance of 1000W/sq. m., spectrum AM 1.5 and cell temperature of 25 C

Flash testing measurement accuracy of +/- 5%. All transparency values are approximate +/- 3%

Temperature ratings	Polycrystalline	Monocrystalline
Current temperature coefficient ( $\alpha$ )	+0,046% /° C	+0,04% /° C
Voltage temperature coefficient ( $\beta$ )	-0,347% /° C	-0,35% /° C
Power temperature coefficient ( $\delta$ )	-0,486% /° C	-0,47% /° C
Nominal Operating Module Temperature	46° C	

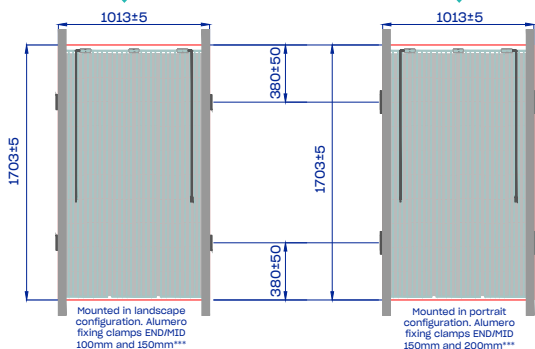
Mechanical data	
Dimensions (LxWxH) (mm)	1695x1005x7,1
Dimensions with edge sealing (LxWxH) (mm)	1703+5x1013+5x7,1
Weight (kg)	28
Front / Back glass (mm)	3 mm
Cell Type	Poly C-Si / Mono C-Si
Cell Size (mm)	158,75x158,75
Transparency %	10
Cell configuration	6x10
Frame	Frameless
Operating Temperature (°C)	-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

## Dimensions & Mounting\*\*\*\*



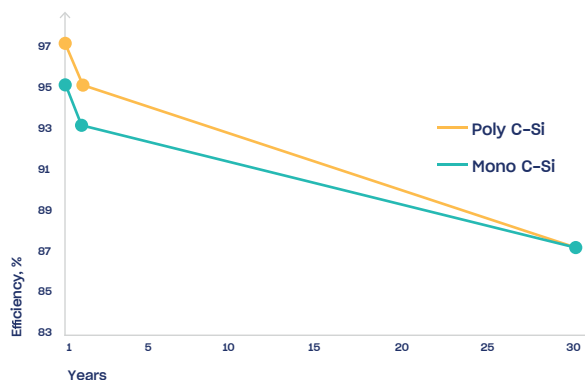
\*\*\*When a module is installed in portrait orientation on the pitched roof which has >45° slope, additional hook in the bottom of the module is required

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



\*\*Safety factor 1,5

## 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 disconnecter. 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.

