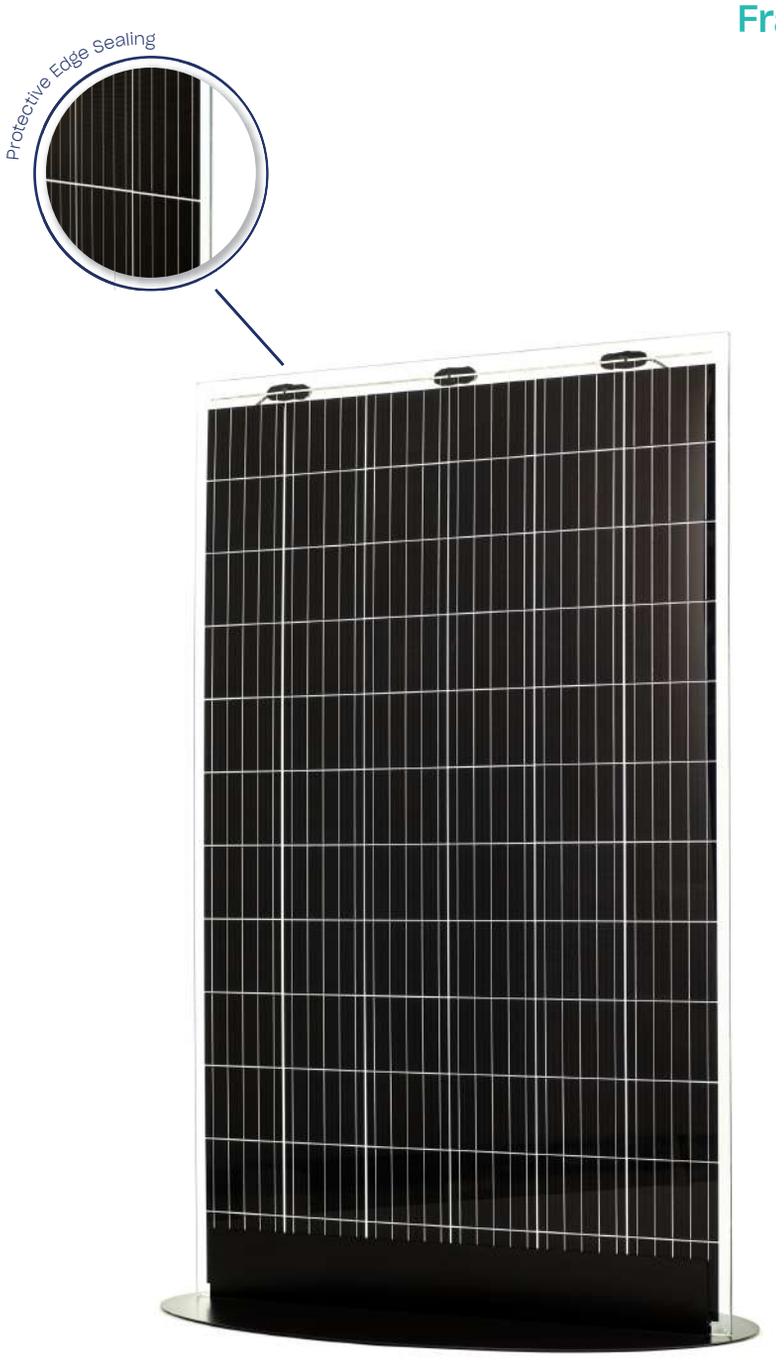
SOLID Bifacial

Glass / Glass

72 Cell

Frameless



Self-cleaning effect

Salt mist resistance

Fire class A

Dust & Sand resistance

Ammonia resistance

Extreme load resistance

Positive sorting up to +5W

Front side	380W	95W	Back side

30	Qǩ%	30
Product warranty	Power guarantee	Efficiency guarantee

SOLITEK

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

G052020-1

SOLID Bifacial — 72 Cell

Glass / Glass

Electrical data (STC*)	
Maximum Power	**380**
Cell Technology	**Bifacial**
Open circuit voltage (V_{OC}/V)	49,64
Short circuit Current (I_{SC}/A)	9,76
Max Power Voltage (Vmpp/V)	41,38
Max Power Current (Impp/A)	9,19
Module Efficiency (n)	18,76%
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%

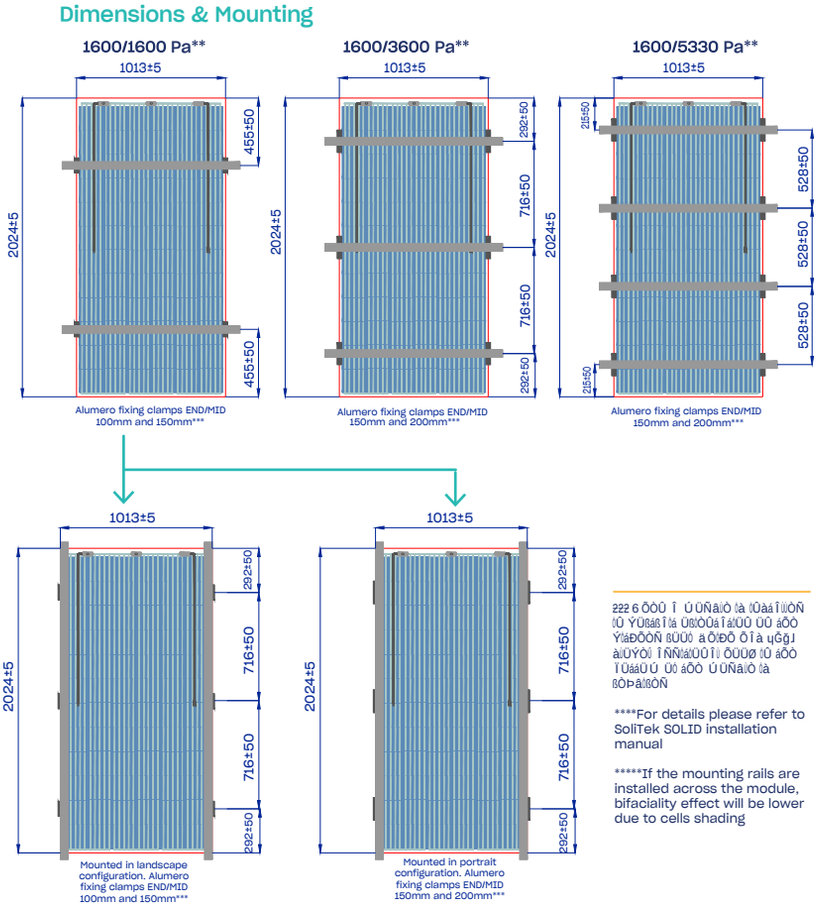
Additional power gain	5%	10%	20%	25%
Total Module Power (Wp)	399	418	456	475

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)	2016x1005x7,1
Dimensions with edge sealing (LxWxH) (mm)	2024±5x1013±5x7,1
Weight (kg)	33
Front / Back glass (mm)	3 mm
Cell Type	Bifacial
Cell Size (mm)	158,75x158,75
Transparency	10
Cell configuration	6x12
Frame	Frameless
Operating Temperature (C) Max	-40 ÷ +85
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

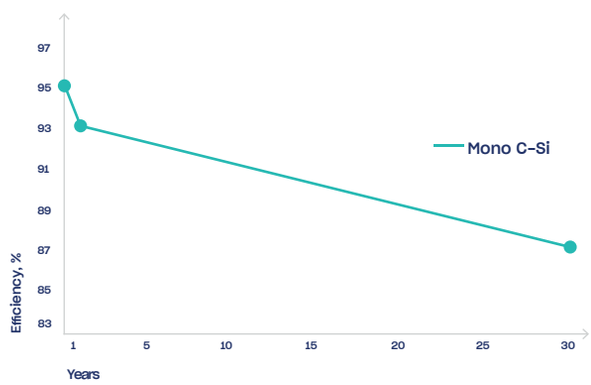


222 6 ÕÒÒÛ Î Ú ÜÑãÙÒ !à !ÛÙàá Î!ÙÒÑ !Ù ÝÛßáßÎ!á Ûß!ÒÛáÎá!ÙÛ ÛÛ áÒÒ Ý!áÐÒÒÑ ßÛÙÛ à Ò!ÐÒ Õ Î à ¡Ûßg J à!ÙÝÒÛ Î ÑÑ!á!ÙÛ Î! ÕÛÙØ !Û áÒÒ Î Ûáá Ù Ú Ûß áÕÒ Ú ÜÑãÙÒ !à ßÒÞà!ßÒÑ

****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

This datasheet is not legally binding. The manufacturer reserves the right to make changes to product specifications and/or product features without prior notice. The most recent versions of all documents (T&C's, datasheets, warranties, and installation manuals can always be found on our website at www.solitek.eu).