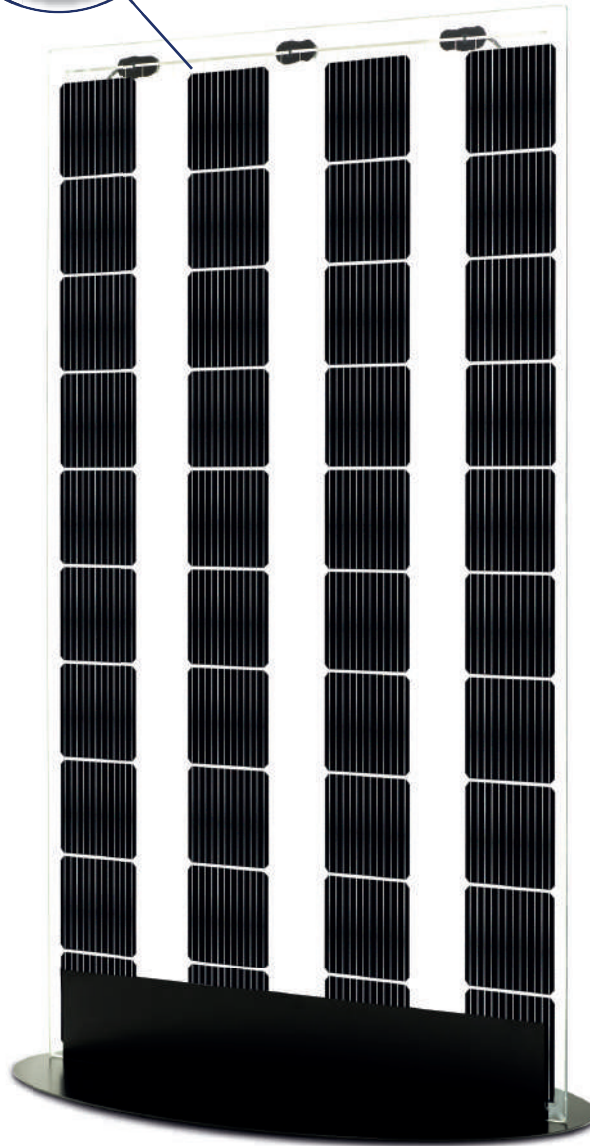
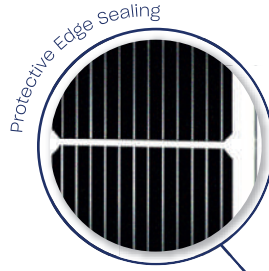


SOLID Bifacial

Glass / Glass

40 Cell

Frameless



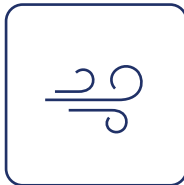
Self-cleaning effect



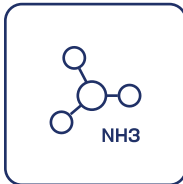
Salt mist resistance



Fire class A



Dust & Sand resistance



Ammonia resistance

Positive sorting up to +5W

SOLITEK

Front Side

⚡ 240 W

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

30

Product warranty

87%

Power guarantee

30

Efficiency guarantee

G052020-1

Glass / Glass

Electrical data (STC*)	
Maximum Power	240
Cell Technology	Bifacial
Open circuit voltage (V _{oc} /V)	26,87
Short circuit Current (I _{sc} /A)	11,12
Max Power Voltage (V _{mpp} /V)	22,92
Max Power Current (I _{mpp} /A)	10,48
Module Efficiency (η)	12,93%
Max System Voltage (V)	1500
Max Current (A)	20
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%

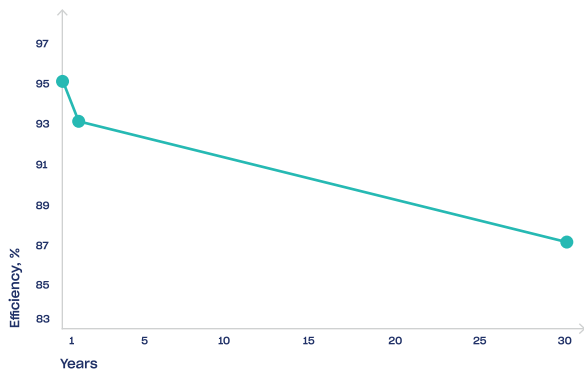
Additional power gain	5%	10%	20%	25%
Total Module Power (Wp)	252	264	288	300

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

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)	1770x1049x7,1mm
Dimensions with edge sealing (LxWxH) (mm)	1778±5x1057±5x7,1
Weight (kg)	21
Front / Back glass (mm)	2 mm
Cell Type	Bifacial
Cell Size (mm)	166x166
Busbars	9
Transparency %	40
Cell configuration	4x10
Frame	Frameless
Operating Temperature (°C)	-40 ÷ +85
Max Load (wind/snow) (Pa)	Depends on mounting method
Junction Box / IP Class	Split junction box / IP68
Cable Cross Section Size (mm ²)	4
Cable length	1,2 m
Bypass Diodes	2
Connector	MC4 compatible

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 disconnect. 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.



PRODUCED USING 100% RENEWABLE ENERGY