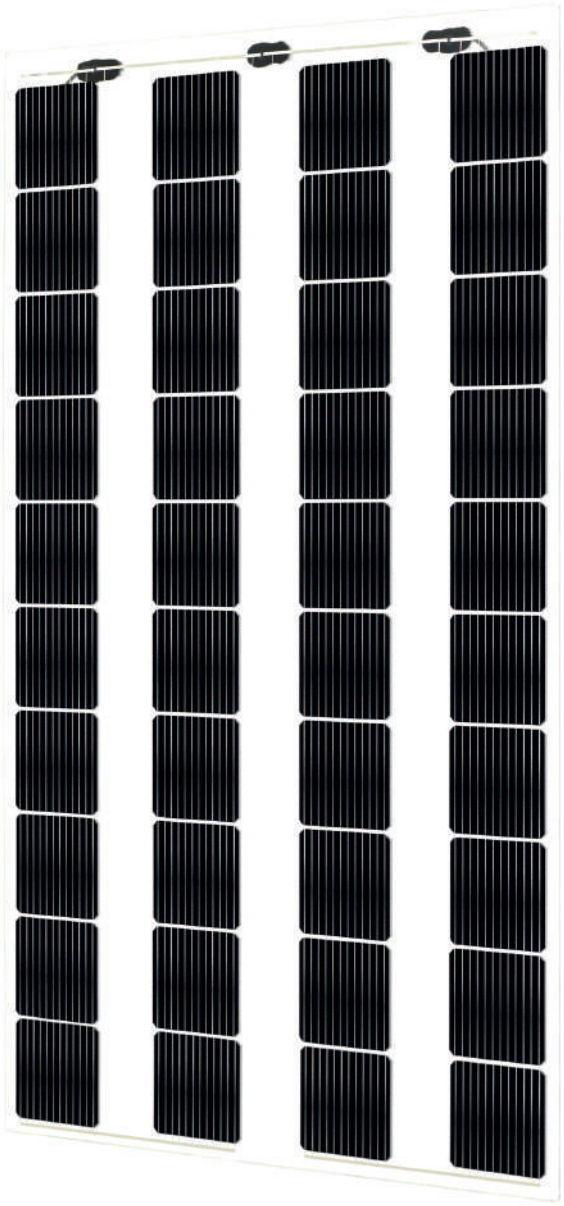
SOLID Agro

Frameless _ Glass/Glass

40 cell

CERTIFIED cradle to cradle SILVER



Fire class A

Salt mist resistance

Ammonia resistance

Dust and sand resistance

Positive sorting up to +5W

Front side 245 W

30	Year product warranty	**87%**	Power guarantee	**30**	Year efficiency guarantee

Rev. 20220801

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SoliTek

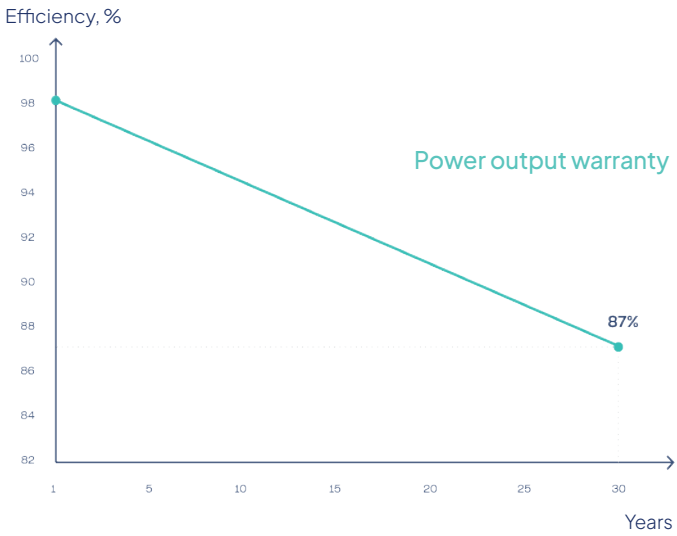
Electrical data (STC*)	
Maximum power	245
Cell technology	Bifacial
Open circuit voltage (V_{OC}/V)	27,03
Short circuit current (I_{SC}/A)	11,18
Max power voltage (Vmpp/V)	23,07
Max power current (Impp/A)	10,62
Module efficiency (n)	13,19%
Max system voltage (V)	1500
Max current (A)	15
Power tolerance	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 measurment accuracy of +/-5%. All transparency values are approximate +/-3%.

Additional power gain	5%	10%	20%	25%
Total module power (Wp)	257	269	294	306

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)	1770x1049x5,1
Dimensions with edge sealing (LxWxH) (mm)	1778±5x1057±5x5,1
Weight (kg)	21
Front / Back glass (mm)	2
Cell Type	Bifacial
Cell Size (mm)	166x166
Busbars	9
Transparency %	40
Cell configuration	4x10
Frame	Frameless
Operating temperature (°C)	-40 ÷ +85
Maximum 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



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.

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

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 the modules are installed above white, lightreflecting surfaces.