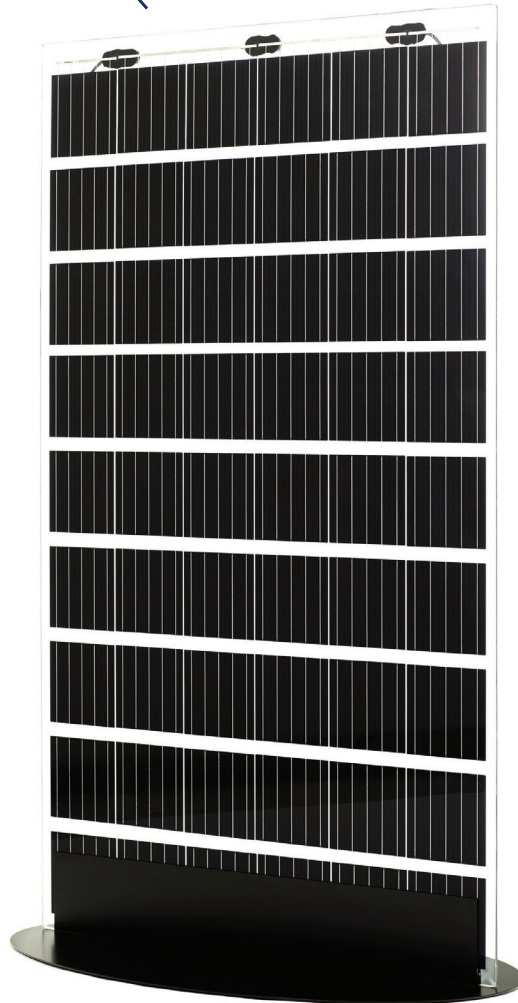
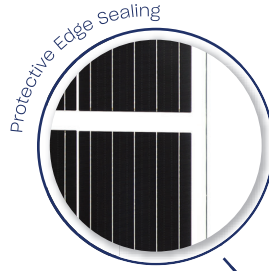


# SOLID Pro

Glass / Glass

# 54 Cell

Frameless



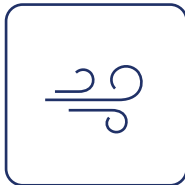
Self-cleaning effect



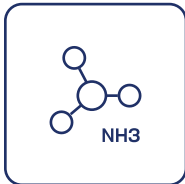
Salt mist resistance



Fire class A



Dust & Sand resistance



Ammonia resistance



Extreme load resistance

Positive sorting up to +5W

## SOLITEK

### Mono

⚡ 285 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

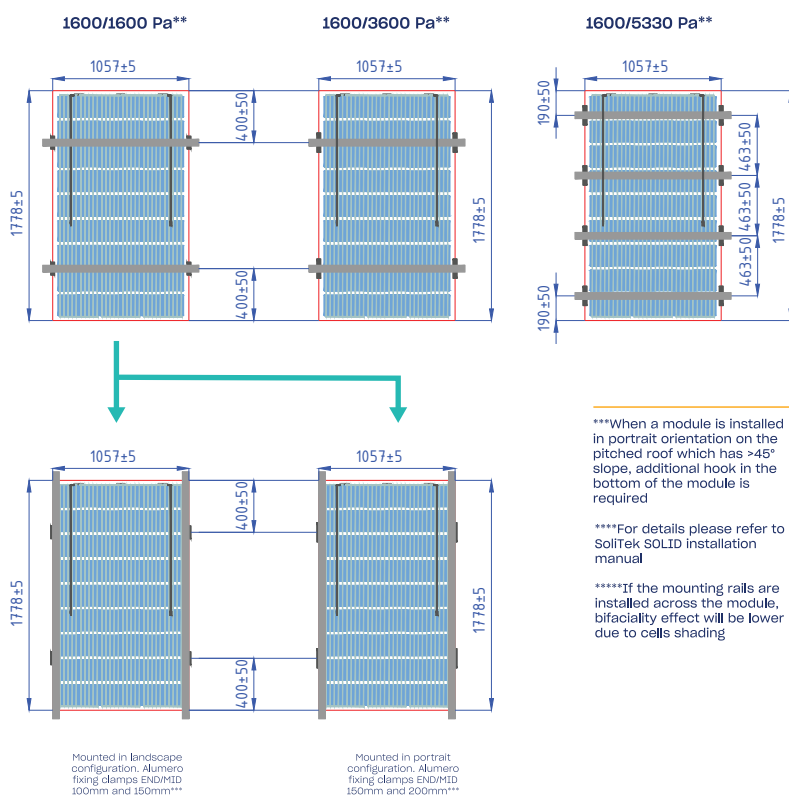
Electrical data (STC*)	
Maximum Power	<b>285</b>
Cell Technology	<b>Mono</b>
Open circuit voltage (V <sub>oc</sub> /V)	37,39
Short circuit Current (I <sub>sc</sub> /A)	9,77
Max Power Voltage (V <sub>mpp</sub> /V)	30,46
Max Power Current (I <sub>mp</sub> /A)	9,36
Module Efficiency (η)	15,35%
Max System Voltage (V)	1500
Max Current (A)	20
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%

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

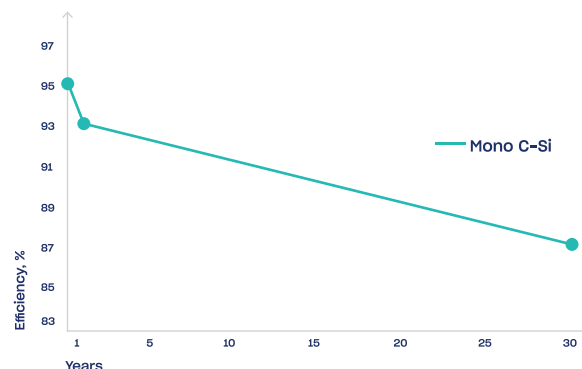
Mechanical data	
Dimensions (LxWxH) (mm)	1770x1049x7,1mm
Dimensions with edge sealing (LxWxH) (mm)	1778±5x1057±5x7,1
Weight (kg)	30
Front / Back glass (mm)	3 mm
Cell Type	Mono
Cell Size (mm)	158,75x158,75
Busbars	5
Transparency %	25
Cell configuration	6x9
Frame	Frameless
Operating Temperature (°C)	-40 ÷ +85
Max Load (wind/snow) (Pa)	1600/5330**
Junction Box / IP Class	Split junction box / IP68
Cable Cross Section Size (mm <sup>2</sup> )	4
Cable length	1,2 m
Bypass Diodes	3
Connector	MC4 compatible

## Dimensions & Mounting



\*\*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 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.



PRODUCED USING 100% RENEWABLE ENERGY