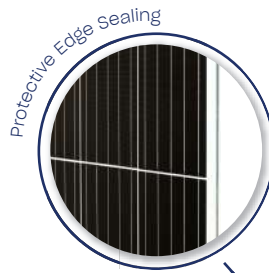


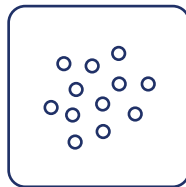
SOLID Bifacial

Glass / Glass

60 Cell
Frameless



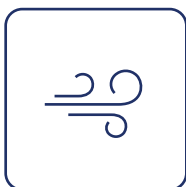
Self-cleaning effect



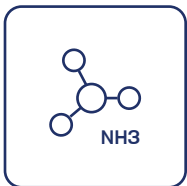
Salt mist resistance



Fire class A



Dust & Sand resistance



Ammonia resistance



Extreme load resistance

Positive sorting up to +5W

Front side

⚡ 320W

⚡ 80W

Back side

SOLITEK

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

30

Product warranty

87%

Power guarantee

30

Efficiency guarantee

SOLID Bifacial

Glass / Glass

60 Cell

Electrical data (STC*)	
Maximum Power	320
Cell Technology	Bifacial
Open circuit voltage (V_{oc}/V)	41,48
Short circuit Current (I_{sc}/A)	9,76
Max Power Voltage (V_{mpp}/V)	34,91
Max Power Current (I_{mpp}/A)	9,19
Module Efficiency (η)	18,79%
Max System Voltage (V)	1500
Max Current (A)	15
Power Tolerance	0/+5W

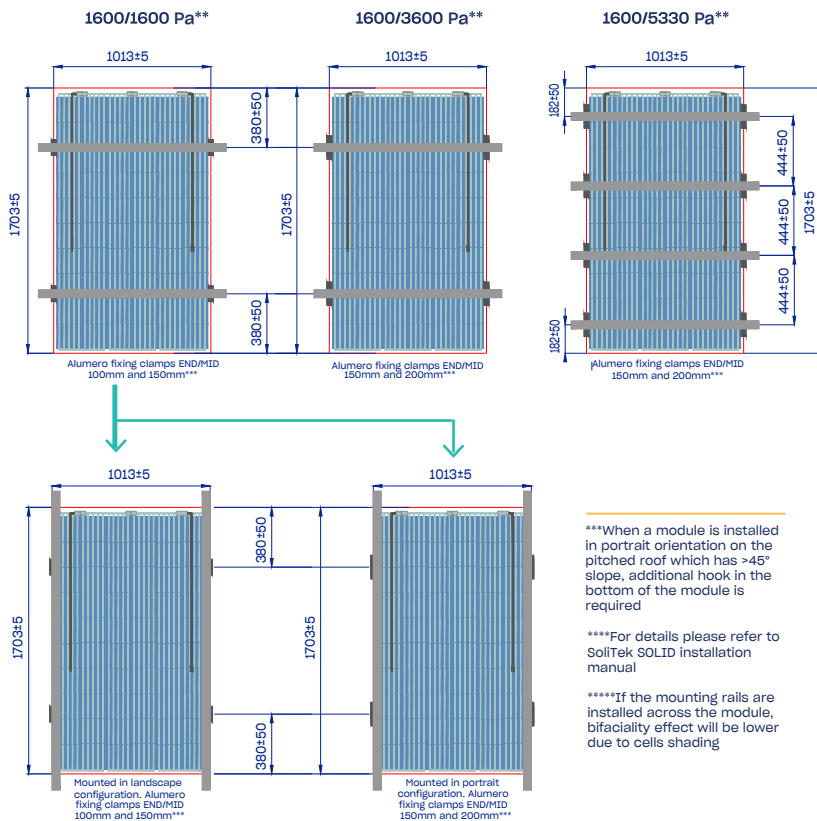
*Under Standard Test Conditions (STC) of irradiance of 1000W/sq. m., spectrum AM 1.5 and cell temperature of 25 °C. Flash testing measurement accuracy of +/- 5%. All transparency values are approximate +/- 3%.

Additional power gain	5%	10%	20%	25%
Total Module Power (Wp)	336	352	384	400

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)	1695x1005x7,1
Dimensions with edge sealing (LxWxH) (mm)	1703x5x1013+5x7,1
Weight (kg)	28
Front / Back glass (mm)	3 mm
Cell Type	Bifacial
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 (mm ²)	4
Cable length	1,2 m
Bypass Diodes	3
Connector	MC4 compatible

Dimensions & Mounting



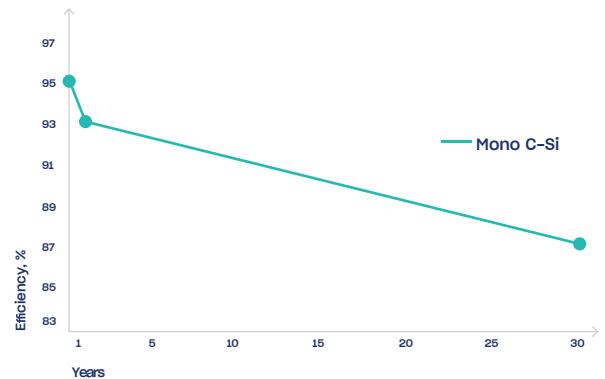
***When a module is installed in portrait orientation on the pitched roof which has >45° slope, additional hook in the bottom of the module is required

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

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

**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.
- 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

