

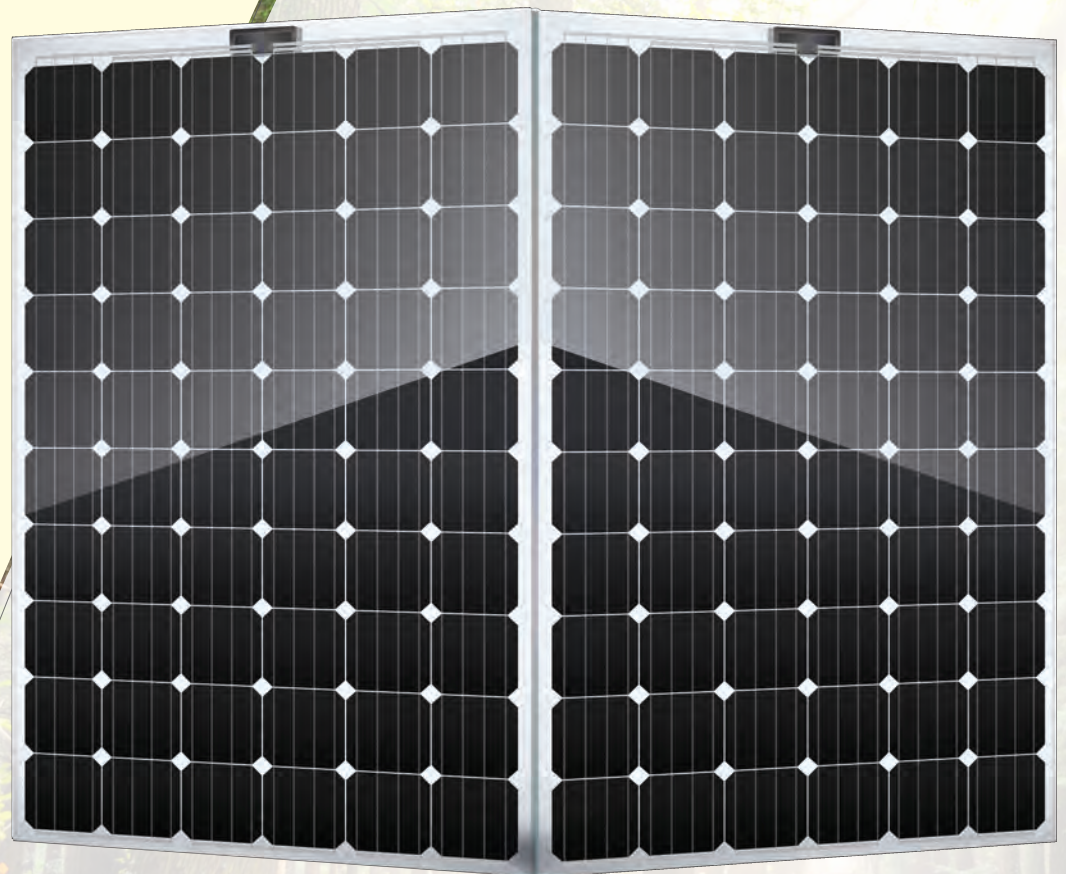
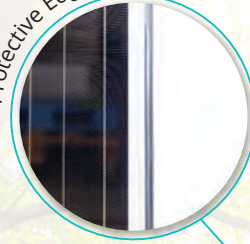
SOLID Bifacial

60 Cell

Frameless

Glass / Glass

Protective Edge Sealing



Front Side

⚡ 300W

⚡ +75W

Backside



Positive sorting up to +5W

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G05201902



SELF-CLEANING
EFFECT



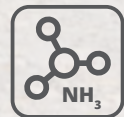
SALT MIST
RESISTANCE



FIRE CLASS A



DUST & SAND
RESISTANCE



AMMONIA
RESISTANCE



PRODUCED USING 100%
RENEWABLE ENERGY



PID free

SOLID Bifacial

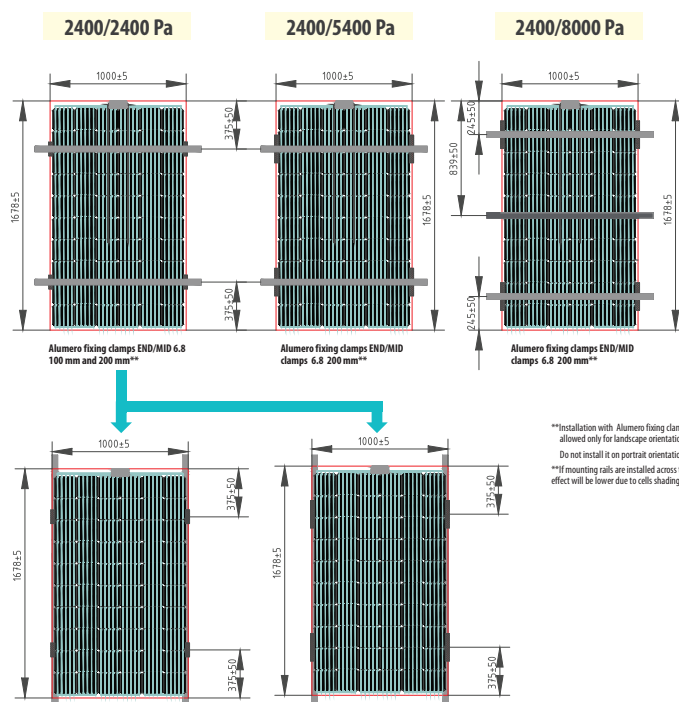
Glass / Glass

60 Cell

Electrical data (STC*)	
Maximum Power (W_p)	300
Cell Technology	Bifacial Mono C-Si
Open circuit Voltage (V_{oc}/V)	39,56
Short circuit Current (I_{sc}/A)	9,56
Max Power Voltage (V_{mpp}/V)	32,79
Max Power Current (I_{mpp}/A)	9,17
Module Efficiency (η)	18,11%
Bifaciality factor	0,84
Max System Voltage (V)	1500
Max Current (A)	15
Power Sorting	0/+5W
Safety Class	II

Additional Power Gain	5%	10%	20%	25%
Total Module Power (W_p)	315	330	360	375

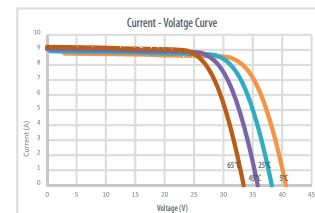
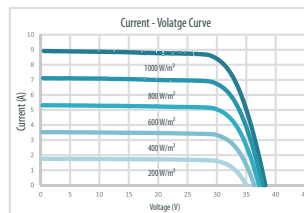
Dimensions & Mounting



**Installation with Alumero fixing clamps END/MID 6.8 100 mm allowed only for landscape orientation configuration. Do not install it on portrait orientation. **If mounting rails are installed across the module, bifaciality effect will be lower due to cells shading.

ATTENTION

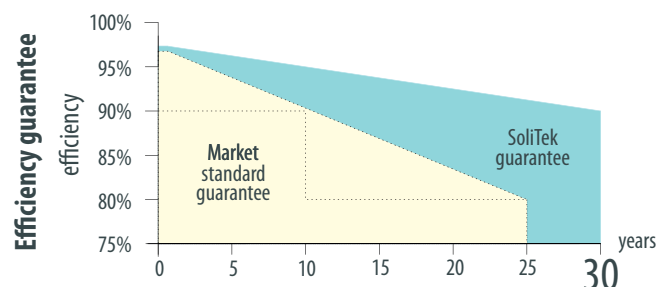
- Always check if your system is compatible with local environmental conditions (wind/snow load, temperatures) on your site to ensure safety and long-term energy production.
- Do not connect more than 21 panels in a string (Criteria: V_{oc} -10°C, 1000 V system).
- By connecting less than 6 PV panels in one string there is a risk of inverter inability to start.
- 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.



*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%

Temperature ratings	Bifacial Mono
Current temperature coefficient (α)	+0,048% /° C
Voltage temperature coefficient (β)	-0,30% /° C
Power temperature coefficient (δ)	-0,38% /° C
Nominal Operating Module Temperature	46° C

Mechanical data	
Dimensions (LxWxH) (mm)	1670x992x7,1
Dimensions with edge sealing (LxWxH) (mm)	1678±5x1000±5x7,1
Weight (kg)	27
Front / Back glass (mm)	3,15
Cell Type	Bifacial Mono C-Si
Cell Size (mm)	156x156
Busbars	5
Frame	Frameless
Operating Temperature (°C)	-40 ÷ +85
Max Load (wind/snow) (Pa)	2400/8000
Junction Box / IP Class	TE Connectivity J-box IP68
Cable Cross Section Size (mm2)	4
Bypass Diodes	3
Connector	PV4-S Male/Female



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.

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&Cs, datasheets, warranties, and installation manuals can always be found on our website at www.solitek.eu).

Certificates and memberships



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