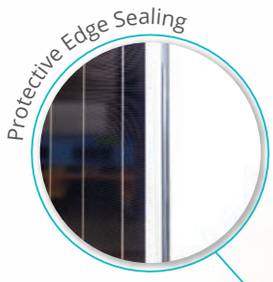
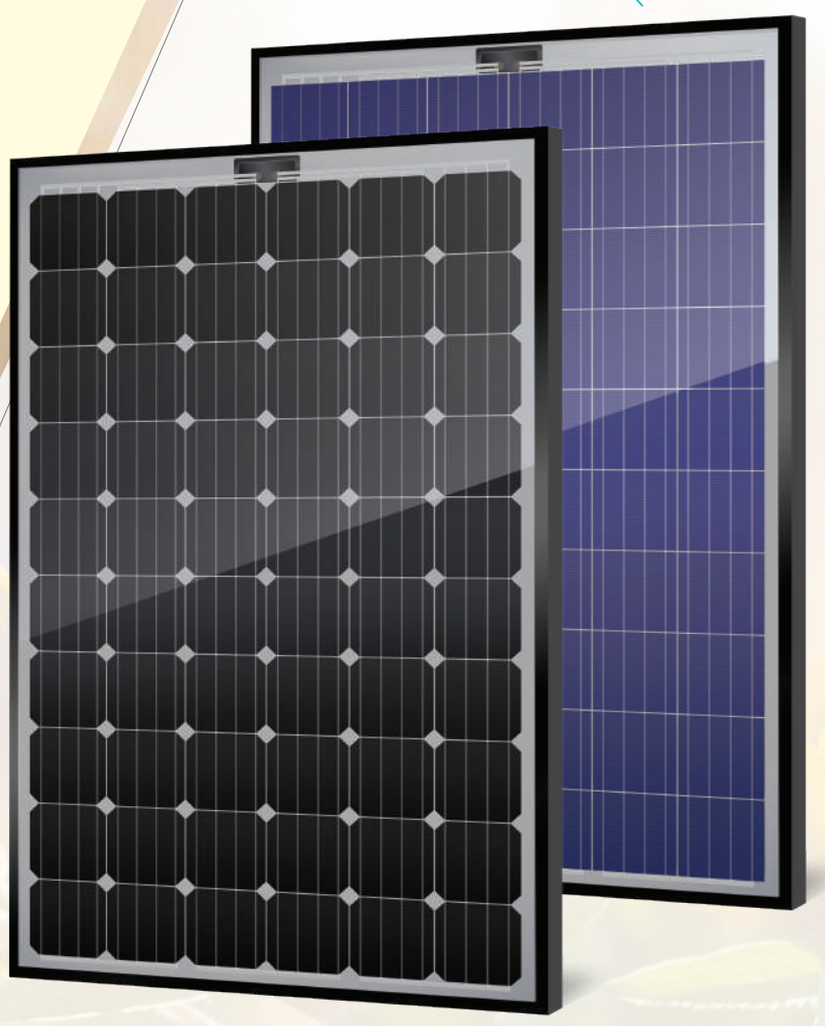
SOLID Framed

60 Cell

Glass / Glass





PRODUCT WARRANTY 30 YEARS

EFFICIENCY GUARANTEE 30 YEARS

POWER GUARANTEE 87% AFTER 30 YEARS

Mono | 310 W | 275 W | Poly

\+ Positive sorting up to +5W

SOLITEK

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www.solitek.eu

G05201908

SELF-CLEANING EFFECT

SALT MIST RESISTANCE

FIRE CLASS A

DUST & SAND RESISTANCE

AMMONIA RESISTANCE (NH_3)

MADE IN EU LITHUANIA

PRODUCED USING 100% RENEWABLE ENERGY

IEC 61215
IEC 61730

PID free

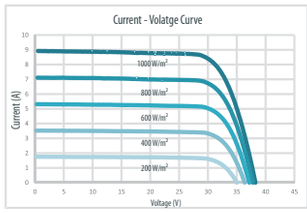
SOLID Framed

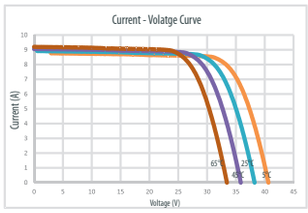
Glass / Glass

60 Cell

Electrical data (STC*)		
Maximum Power (W_p)	310	275
Cell Configuration	6x10	
Cell Technology	Mono C-Si	Poly C-Si
Open circuit Voltage (V_{oc}/V)	41,02	38,67
Short circuit Current (I_{sc}/A)	9,71	9,27
Max Power Voltage (V_{mpp}/V)	33,48	31,7
Max Power Current (I_{mpp}/A)	9,31	8,77
Module Efficiency (ɳ)	18,47%	16,39%
Max System Voltage (V)	1500	
Max Current (A)	15	
Power Sorting	0/+5W	
Safety Class	II	

***Under Standart Test Conditions (STC) of irradiance of 1000W/sq. m., spectrum AM 1.5 and cell temperature of 25 C**

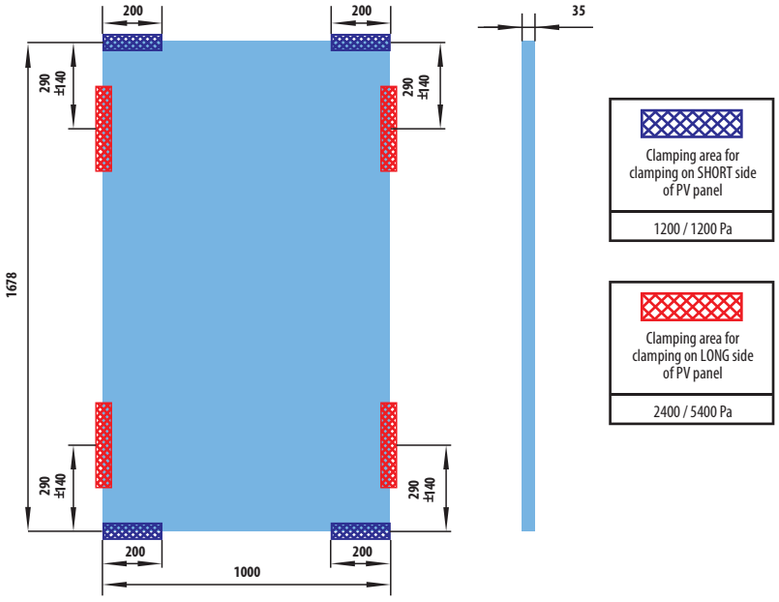




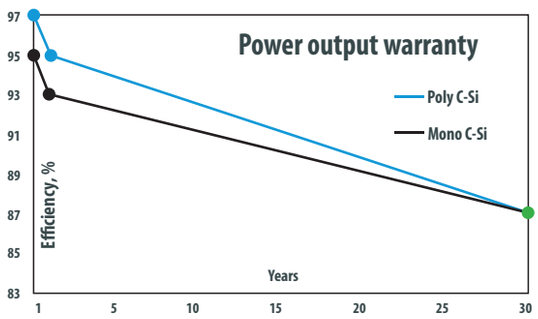
Flash testing measurement accuracy of +/- 5%

Temperature ratings	Polycrystalline	Monocrystalline
Current temperature coefficient (α)	+0,046% /° C	+0,04% /° C
Voltage temperature coefficient (β)	-0,347% /° C	-0,35% /° C
Power temperature coefficient (δ)	-0,486% /° C	-0,47% /° C
Nominal Operating Module Temperature	46° C	

Dimensions & Mounting



Mechanical data	
Dimensions (LxWxH) (mm)	1678x1000x35
Weight (kg)	21
Front / Back glass (mm)	2,1
Cell Type	Poly C-Si / Mono C-Si
Cell Size (mm)	156x156
Busbars	5
Frame	Aluminum
Operating Temperature (°C)	-40 ÷ +85
Max Load (wind/snow) (Pa)	2400/5400
Junction Box / IP Class	TE Connectivity J-box IP68
Cable Cross Section Size (mm^2)	4
Bypass Diodes	3
Connector	PV4-S Male/Female
Optimization	Tigo Ts4 (Optional)



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: Voc-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 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.

Certificates and memberships

Dealer Information

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