SOLID Framed

Glass/Glass

60 Cell

- Fire class A
- Extreme load resistance (5400 Pa)
- Self-cleaning effect
- Salt mist resistance
- Ammonia resistance (NH_3)
- Dust & Sand resistance

PRODUCT WARRANTY 30 YEARS

EFFICIENCY GUARANTEE 30 YEARS

POWER GUARANTEE 90% AFTER 30 YEARS

Mono ⚡300W ⚡270W Poly

Positive sorting up to +5W

Available with Tigo energy

MADE IN EU LITHUANIA

IEC 61215
IEC 61730

TÜV NORD Type Tested Photovoltaic Modules

PID free

SOLITEK

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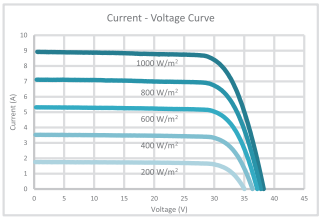
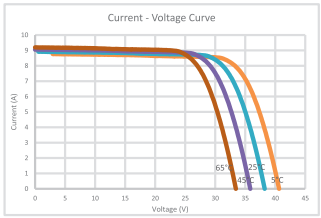
60 Cell

Electrical data (STC*)		
Maximum Power (W)	300	270
Cell Configuration	6x10	
Cell Technology	Mono C-Si	Poly C-Si
Open circuit Voltage (V_{oc}/V)	39.45	38.80
Short circuit Current (I_{sc}/A)	9.90	9.42
Max Power Voltage (V_{mpp}/V)	32.15	34.50
Max Power Current (I_{mpp}/A)	9.35	8.89
Module Efficiency (η)	18.50%	16.65%
Max System Voltage (V)	1500	
Max Current (A)	15	
Power Sorting	0/+5W	
Safety Class	II	

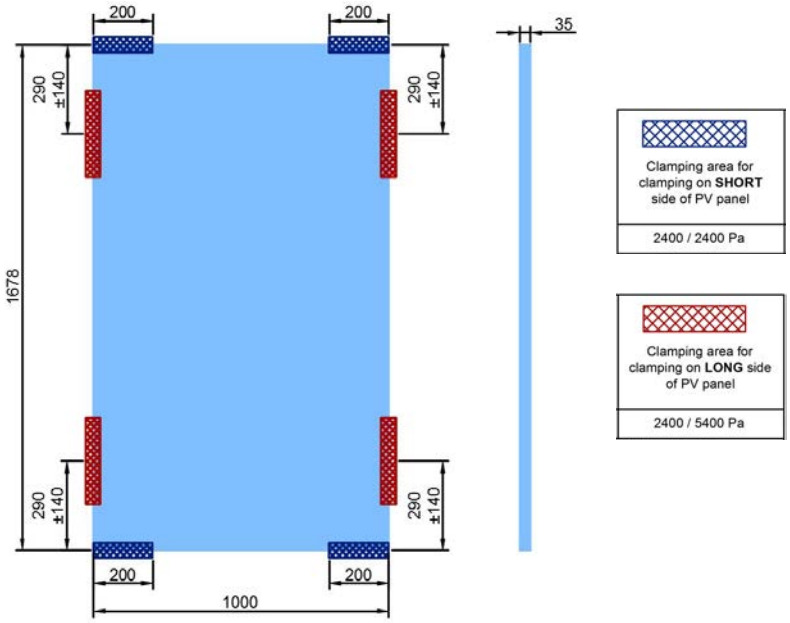




Flash testing measurement accuracy of +/- 5%

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

Dimensions & Mounting

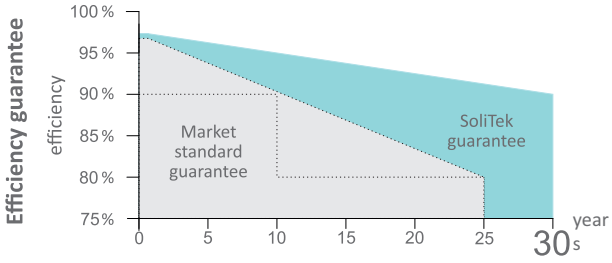


Temperature ratings	Polycrystalline	Monocrystalline
Temperature Coefficient I_{sc}(αI_{sc})	+0,05% /°C	+0,04% /°C
Temperature Coefficient V_{oc}(βV_{oc})	-0,34% /°C	-0,35% /°C
Temperature Coefficient P_{max}(γP_{mp})	-0,46% /°C	-0,47% /°C
Nominal Operating Cell Temperature	46°C	

Mechanical data	
Dimensions (LxWxH) (mm)	1678x1000x35
Weight (kg)	21
Front/Black Glass (mm)	2,1
Cell Type	Poly C-Si / Mono C-Si
Cell Size	156.75x156.75mm
Busbars	4
Frame	Aluminum
Operating Temperature	-40~+85C
Max Load (wind/snow) (Pa)	2400/5400
Junction Box / IP Class	TE Connectivity J-box IP67
Cable Cross Section Size (mm2)	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 22 panels in a string for mono c-Si modules and 23 for poly c-Si modules (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.

Dealer Information

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