

# Solid FRAMED

Glass / Glass

## 60 Cell



Fire class A



Self-cleaning effect



Salt mist resistance



Ammonia resistance



Dust & Sand resistance



Mono

⚡ 300W

⚡ 270W

Poly



Positive sorting up to +5W



PID free

## SOLITEK

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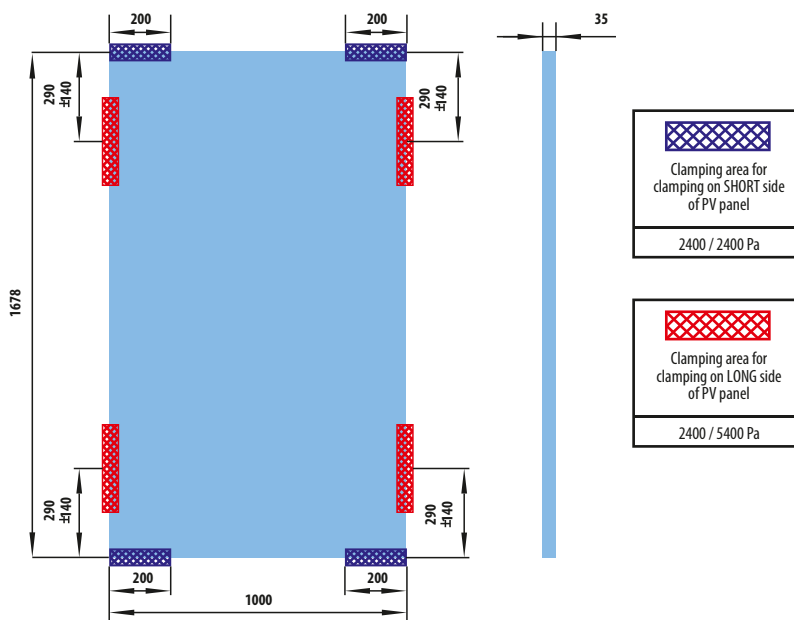
Glass / Glass

# 60 Cell

Electrical data (STC*)		300	270
Maximum Power ( $W_p$ )		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 ( $V_{mp}/V$ )		32.15	34.50
Max Power Current ( $I_{mpp}/A$ )		9.35	8.89
Module Efficiency ( $\eta$ )		17.88%	16.09%
Max System Voltage (V)		1000	
Max Current (A)		15	
Power Sorting		0/+5W	
Safety Class		II	

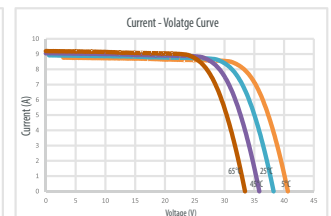
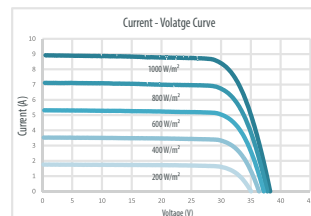
\*Under Standart Test Conditions (STC) of irradiance of 1000W/sq. m., spectrum AM 1.5 and cell temperature of 25 C

## Dimensions & Mounting



## 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:  $V_{oc}$ -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 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 and to install lightning protection in site.



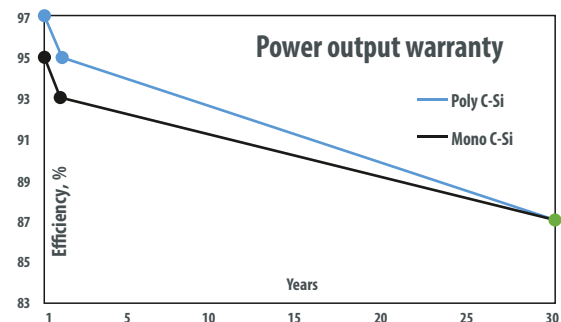
Flash testing measurement accuracy of +/- 5%

## Temperature ratings

	Polycrystalline	Monocrystalline
Temperature Coefficient $I_{sc}(\alpha_{I_{sc}})$	+0,05% /°C	+0,04% /°C
Temperature Coefficient $V_{oc}(\beta_{V_{oc}})$	+0,34% /°C	+0,35% /°C
Temperature Coefficient $P_{max}(\gamma_{P_{max}})$	+0,46% /°C	+0,47% /°C
Nominal Operating Cell Temperature	46° C	

## 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	156.75x156.75mm
Busbars	5
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 (mm <sup>2</sup> )	4
Bypass Diodes	3
Connector	PV4-5 Male/Female
Optimization	Tigo Ts4 (Optional)



## 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.

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](http://www.solitek.eu)).

## Dealer Information



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