

# SOLID Solrif®

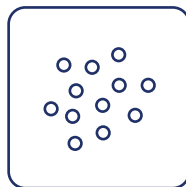
Glass / Glass



## In-Roof



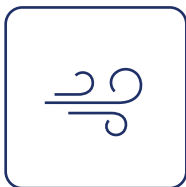
Self-cleaning effect



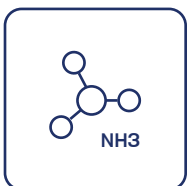
Salt mist resistance



Fire class A



Dust & Sand resistance



Ammonia resistance



Extreme load resistance



Positive sorting up to +5W

## SOLITEK

Mono ⚡ 320W

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Tel. +370 5 263 8774  
info@solitek.eu  
www.solitek.eu

30

Product warranty

87%

Power guarantee

30

Efficiency guarantee

G052020-1

Glass / Glass

Electrical data (STC*)	
Maximum Power	320
Cell Technology	Mono C-Si
Open circuit voltage ( $V_{oc}/V$ )	41,16
Short circuit Current ( $I_{sc}/A$ )	9,77
Max Power Voltage ( $V_{mpp}/V$ )	34,23
Max Power Current ( $I_{mpp}/A$ )	9,36
Module Efficiency ( $\eta$ )	17,68%
Max System Voltage (V)	1500
Max Current (A)	15
Power Tolerance	0/+5W

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

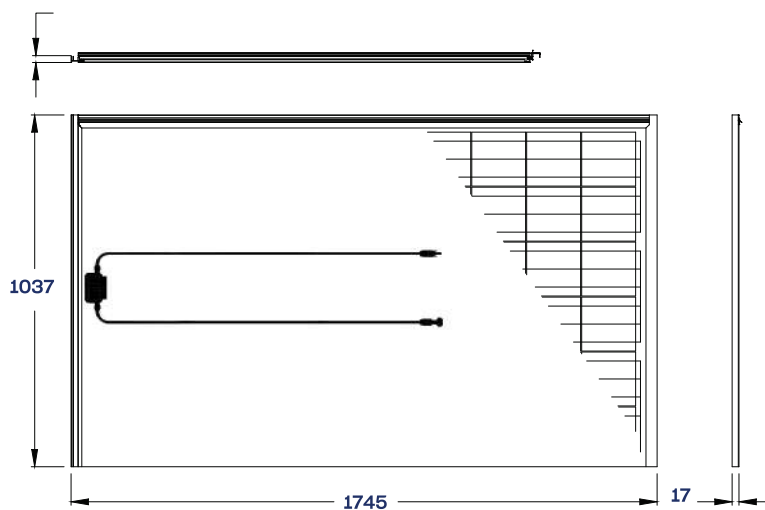
Flash testing measurement accuracy of +/- 5% All transparency values are approximate +/- 3%

Temperature ratings	
Current temperature coefficient ( $\alpha$ )	+0,04% /° C
Voltage temperature coefficient ( $\beta$ )	-0,35% /° C
Power temperature coefficient ( $\delta$ )	-0,47% /° C
Nominal Operating Module Temperature	46° C

Mechanical data	
Dimensions (LxWxH) (mm)	1745x1037x17
Weight (kg)	32
Front / Back glass (mm)	3 mm
Cell Type	Mono C-Si
Cell Size (mm)	158,75x158,75
Transparency %	10
Cell configuration	6x10
Busbars	5
Frame	Solrif®
Operating Temperature (°C)	-40 ÷ +85
Max Load (wind/snow) (Pa)	1600/3600**
Junction Box / IP Class	Split junction box / IP68
Cable Cross Section Size (mm <sup>2</sup> )	4
Cable length	1,2 m
Bypass Diodes	3
Connector	MC4 compatible

## Dimensions & Mounting

1600/3600 Pa\*\*

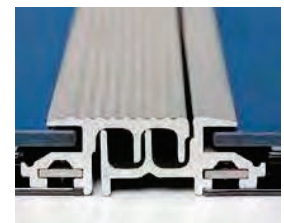


\*\*Safety factor 1,5

**Optimal Weather Lightness**  
Frames are shingled from top to bottom and are interlocking left to right much like tiles for optimal weather protection.

### Easy Installation

The modules are held by metal clamps that are mounted to the roof battens. This allows for quick and easy installation.



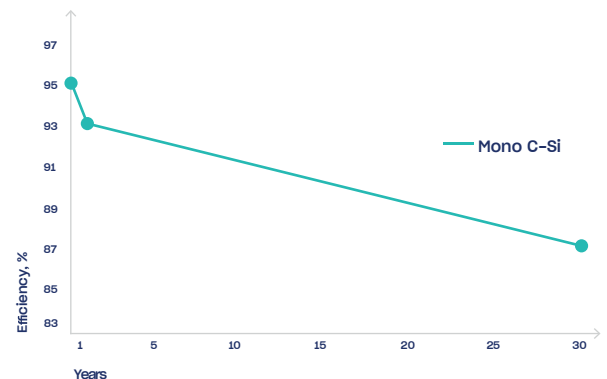
## Tips for Better Power Output

- 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.

## 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 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.

## Power output warranty



## Certificates and memberships

