SoliTek Standard

Framed _ Glass/Backsheet

120 cell

SoliTek Standard

Standard 120 halfcut cell module with black backsheet

NH_3

Ammonia resistance

Salt mist resistance

Standard 365W

20 Year product warranty

84,8% Power guarantee

25 Year efficiency guarantee

Rev. 20220920

+370 5 263 8774 | info@solitek.eu | Mokslininkų str. 6A, Vilnius 08412 | www.solitek.eu

SoliTek

Working conditions	
Maximum system voltage	DC 1500 V (TUV)
Operating temperature	-40 °C / +85 °C
Maximum reverse current	15
Design load (wind/snow)	2400/3600 Pa**
Maximum test load (wind/snow)	3600/5400 Pa
IP protection level	68
Safety class	II

** Safety factor 1,5

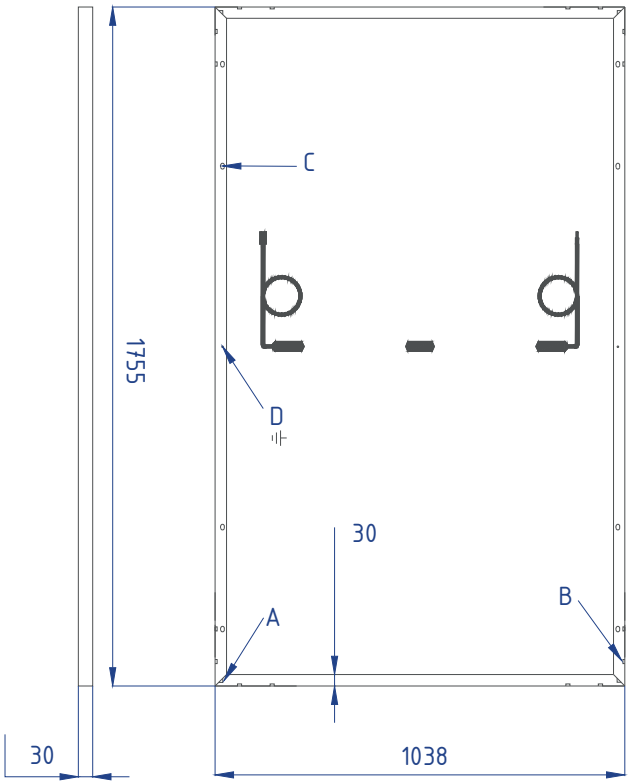
Electrical parameters	
Maximum power (Pmax/W)	365
Max power point voltage (Vmpp/V)	34,00
Max power current (Impp/A)	10,74
Open circuit voltage (V_{OC}/V)	41,30
Short circuit current (I_{SC}/A)	11,30
Efficiency (n)	20,04

*Under standard test conditions (STC) of irradiance of 1000W/sq.m., spectrum AM 1.5 and cell temperature of 25°C. Flash testing measurment accuracy of +/-5%.

Mechanical data	
Cell Size (mm)	166x83
Number of cells	120 (6x20)
Front side glass	3,2 mm
Weight	20 kg
Dimensions (L x W x H)	1755x1038x30
J-box	IP68
Cable length	1,1 m
Cable cross section size	4 mm^2
Number of diodes	3
Plug-in connection	MC4 compatible
Frame	Black anodized aluminium frame

Temperature coefficients	
Current temperature coefficient (α)	+0.049% / °C
Voltage temperature coefficient (β)	-0.33% / °C
Power temperature coefficient (δ)	-0.36% / °C
Nominal operating module temperature	43±2 °C

Dimensions & Mounting



A: Drainage; B: Ventilation; C: Mounting holes; D: Earthing;

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.

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.