

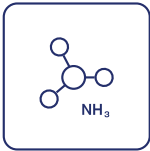
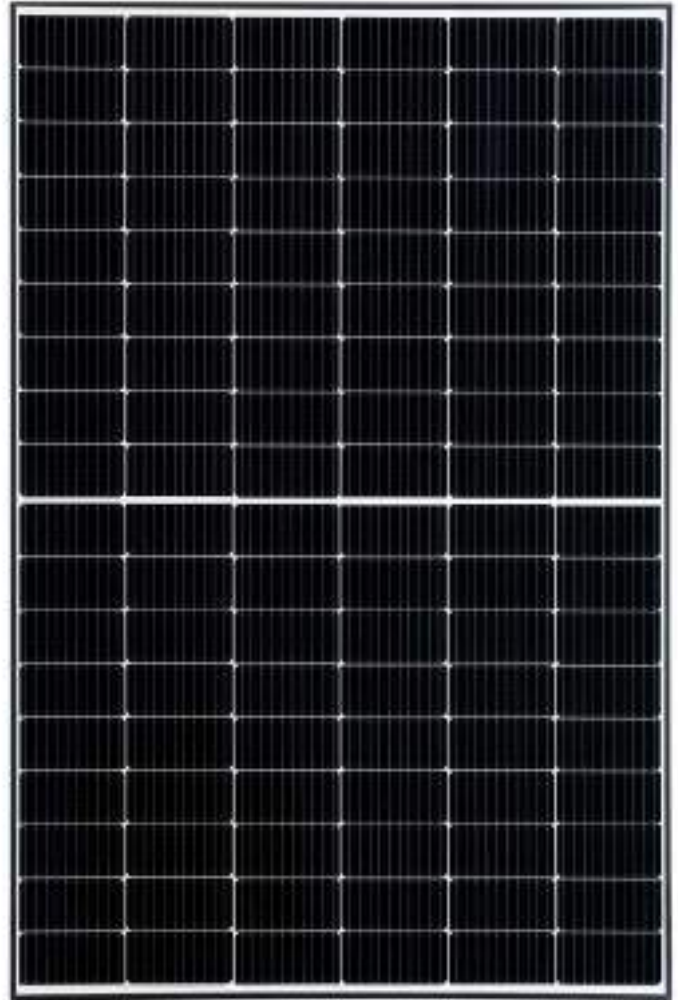
# SoliTek Standard

Framed \_ Glass/Backsheet

108 cell

## SoliTek Standard

Standard 108 halfcut cell module with white backsheet



Ammonia resistance



Salt mist resistance



35% of recycled glass content

Positive sorting up to +5W

Standard ⚡ 415W

**20** Year product warranty

**84,8%** Power warranty

**25** Year efficiency warranty

| Working conditions            |                 |
|-------------------------------|-----------------|
| Maximum system voltage        | DC 1000 V (TUV) |
| Operating temperature         | -40 °C / +85 °C |
| Maximum reverse current       | 20              |
| Maximum test load (wind/snow) | 2400/5400 Pa    |
| IP protection level           | 68              |
| Safety class                  | II              |

| Electrical parameters                         |         |
|---|---------|
| Maximum power (P <sub>max</sub> /W)           | 415     |
| Max power point voltage (V <sub>mpp</sub> /V) | 31,50   |
| Max power current (I <sub>mpp</sub> /A)       | 13,17   |
| Open circuit voltage (V <sub>oc</sub> /V)     | 37,50   |
| Short circuit current (I <sub>sc</sub> /A)    | 13,93   |
| Efficiency (η)                                | 21,25 % |

\*Under standard test conditions (STC) of irradiance of 1000W/m<sup>2</sup>., spectrum AM1.5 and cell temperature of 25°C. Flash testing measurement accuracy of +/-5%.

| Mechanical data                             |                                |
|---|--------------------------------|
| Cell Size (mm)                              | 182x91                         |
| Number of cells                             | 108 (6x18)                     |
| Front glass (mm)                            | 3,2                            |
| Weight (kg)                                 | 22                             |
| Dimensions (L x W x H) (mm)                 | 1722x1134x30                   |
| Junction box/IP class                       | Split junction box/IP68        |
| Cable length (m)                            | 1,1                            |
| Cable cross section size (mm <sup>2</sup> ) | 4                              |
| Number of diodes                            | 3                              |
| Connector                                   | MC4 compatible                 |
| Frame                                       | Black anodized aluminium frame |

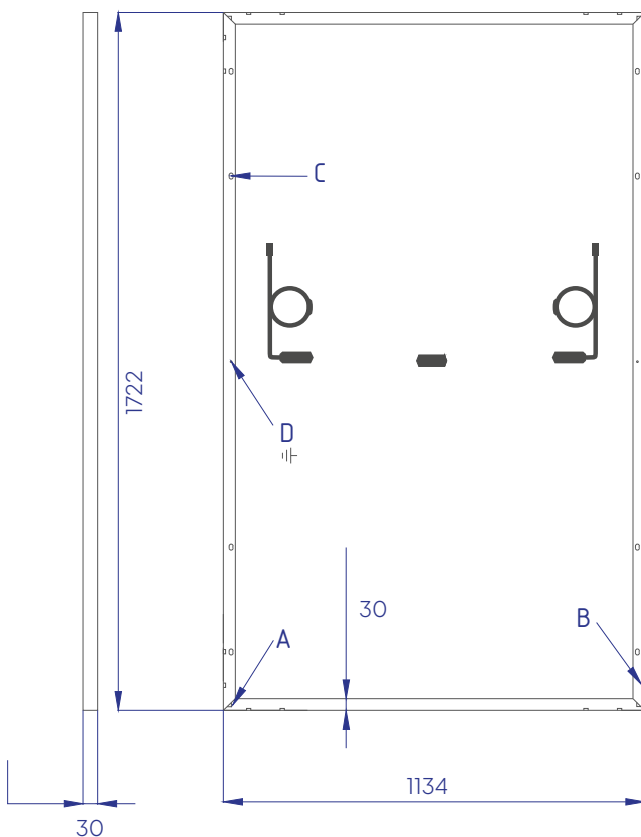
| Temperature coefficients             |              |
|--------------------------------------|--------------|
| Current temperature coefficient (α)  | +0.049% / °C |
| Voltage temperature coefficient (β)  | -0.29% / °C  |
| Power temperature coefficient (δ)    | -0.36% / °C  |
| Nominal operating module temperature | 43±2 °C      |

| Warranty                     |        |
|------------------------------|--------|
| 20 years product warranty    |        |
| 25 years efficiency warranty |        |
| First year degradation (%)   | 2 %    |
| Annual degradation (%)       | 0.55 % |
| Power in year 25 (%)         | 84.8 % |

| Packing information            |                   |
|--------------------------------|-------------------|
| Modules per pallet             | 35 pcs            |
| Dimensions of a pallet (LxWxH) | 1770x1180x1285 mm |
| Weight of a pallet (gross)     | 800 kg            |
| Pallets per 13.6 m truck       | 28 pcs            |
| Modules per 13.6 m truck       | 980 pcs           |

| Certifications                       |                                  |
|--------------------------------------|----------------------------------|
| IEC 61215:2016; IEC 61730:2016;      |                                  |
| IEC 62716:2013                       | Ammonia corrosion testing        |
| IEC 61701:2011                       | Salt mist corrosion testing      |
| ISO 9001:2015                        | Quality management systems       |
| ISO 14001:2015                       | Environmental management systems |
| ISO 45001:2018                       | Occupational health and safety   |
| Produced using 100% renewable energy |                                  |
| Membership at Svensk Solenergi       |                                  |

## Dimensions & Mounting



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



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&C's, datasheets, warranties and installation manuals) can always be found on our website at [www.solitek.eu](http://www.solitek.eu)

