



# SOLRIF D series

# Satin

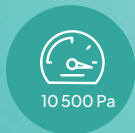
445 W

Made in the EU

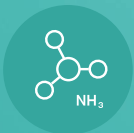
3.2+3.2 mm glass



Fire class A



10 500 Pa  
Extreme load resistance



NH<sub>3</sub>  
Ammonia resistance



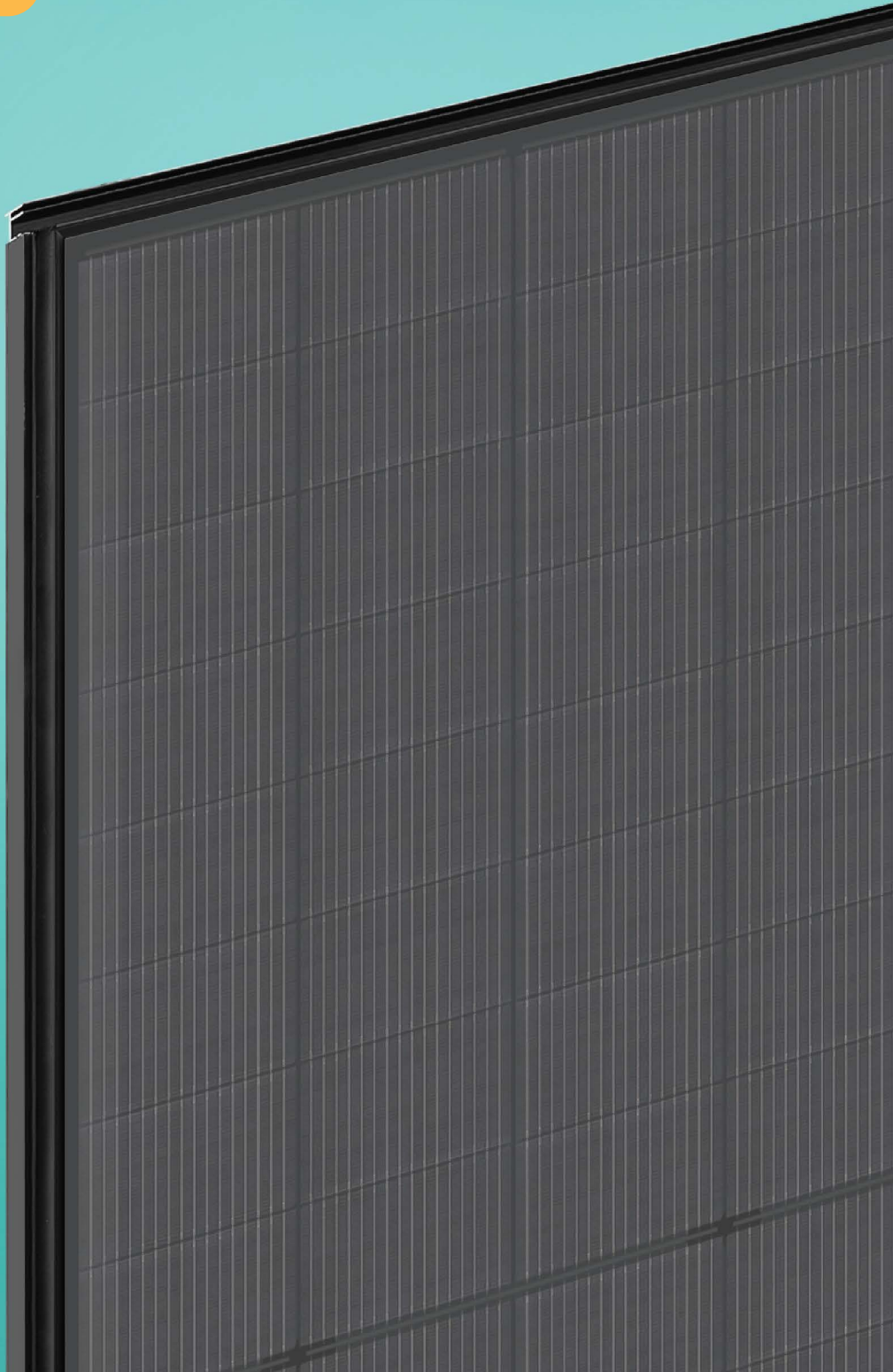
50 mm  
Hail resistance class 5



98 %  
recyclable



A luminance of  
3600 cd/m  
Extremely low-glare



**30** Product & Efficiency Guarantee  
YEAR

**90%** POWER WARRANTY



THE FIRST AND ONLY  
IN THE WORLD

## Electrical data (STC\*)

Maximum power (W)	445
Cell technology	N type, TOPCon - bifacial
Open circuit voltage ( $V_{oc}/V$ )	34,40
Short circuit current ( $I_{sc}/A$ )	15,79
Max power voltage ( $V_{mpp}/V$ )	29,40
Max power current ( $I_{mpp}/A$ )	15,14
Module efficiency ( $\eta$ )	22,06 %
Max system voltage (V)	1500
Max current (A)	30
Power tolerance	0/+5W

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

## Warranty

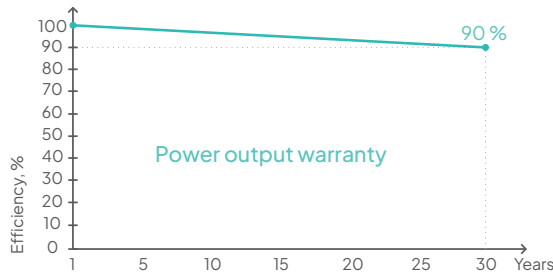
30 years product warranty

30 years efficiency warranty

First year degradation (%) 1

Annual degradation (%) 0,31

Power in year 30 (%) 90



## Certifications

IEC 61215:2021; IEC 61730:2023

Cradle to Cradle (C2C) Gold level

IEC 62716:2013 Ammonia corrosion testing

EN 13501-5 Broof (t1)

IEC 61701:2020 Salt mist corrosion testing

IEC 61215-2:2021 50 mm hailstone - Hail resistance class 5 (HW5)

ISO 9001:2015 Quality management systems

ISO 14001:2015 Environmental management systems

ISO 45001:2018 Occupational health and safety

SundaHus A level assessment

Produced using 100% renewable energy

Membership at Svensk Solenergi



Product assessed in SundaHus Material Data

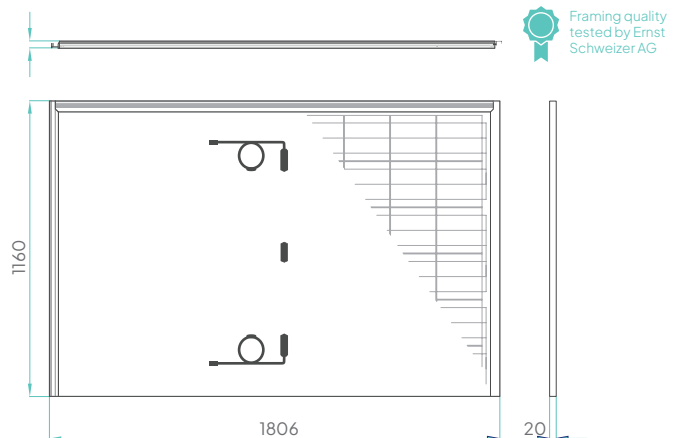


## Temperature ratings

Current temperature coefficient ( $\alpha$ )	+0,045% / °C
Voltage temperature coefficient ( $\beta$ )	-0,250% / °C
Power temperature coefficient ( $\delta$ )	-0,300% / °C
Nominal operating module temperature	46 °C

## Mechanical data

Dimensions (LxWxH) (mm)	1806x1160x20
Grid dimensions (LxW) (mm)	1788x1128
Weight (kg)	35
Front glass (mm)	3.2, structured, satin 3600cd/m <sup>2</sup> , TVG
Back glass (mm)	3.2, black, TVG
Cell Size (mm)	182,2x105
Busbars	16
Cell configuration	6x16
Frame	Solrif D
Rated operating altitude (m)	Up to 2000
Operating temperature (°C)	-40 ÷ +85
Maximum test load (wind/snow) (Pa)	3600/10500
Junction box / IP class	Split junction box / IP68
Cable cross section size (mm <sup>2</sup> )	4
Cable length (m)	1,2
Bypass diodes	3
Connector	MC4-EVO2



## Packing information

Modules per pallet (pcs)	25
Dimensions of a pallet (LxWxH) (mm)	1899x1203x1070
Weight of a pallet (gross) (kg)	940
Pallets per 13,6 m truck (pcs)	24
Modules per 13,6 m truck (pcs)	600



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)

The manufacturer of the system, Ernst Schweizer AG, provides a 10 year warranty on materials supplied for the Solrif roof integrated PV mounting system. The warranty agreement of Ernst Schweizer AG does not refer to the solar modules and the terms of warranty of Soli Tek cells UAB.

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