



# SOLID series

# Satin Framed

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



ONE OF A FEW 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 ( $I_{mp}/A$ )	15,14
Module efficiency ( $\eta$ )	22,27 %
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

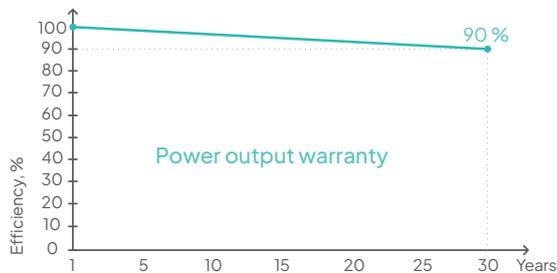
30 years product warranty

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
abZ/aBG	National technical approval / General construction permit
IEC 62716:2013	Ammonia corrosion testing
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



PRODUCED USING 100% RENEWABLE ENERGY



Svensk Solenergi

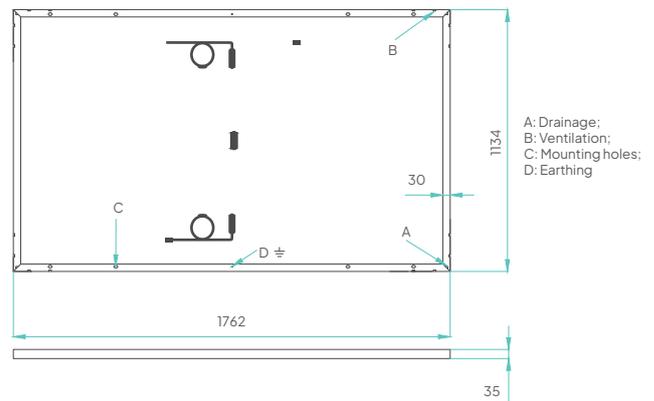


### Temperature ratings

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)	1762x1134x35
Weight (kg)	35
Front glass (mm)	3.2, structured, satin, 3600 cd/m <sup>2</sup> , TVG
Back glass (mm)	3.2, black, TVG
Cell Size (mm)	182,2x105
Busbars	16
Cell configuration	6x16
Frame	Black anodized aluminium frame
Rated operating altitude (m)	Up to 2000
Operating temperature (°C)	-40 ÷ +85
Maximum test load (wind/snow) (Pa)	5400/10500
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)	24
Dimensions of a pallet (LxWxH) (mm)	1854x1205x1189
Weight of a pallet (gross) (kg)	906
Pallets per 13,6 m truck (pcs)	26
Modules per 13,6 m truck (pcs)	624

