SoliTek

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_3
Ammonia resistance

50 mm
Hail resistance class 5

98 %
98 % recyclable

A luminance of 3600 cd/m
Extremely low-glare

30 YEAR Product & Efficiency Guarantee

90% POWER WARRANTY

Deutsches Institut für Bautechnik DIBt

ONE OF A FEW IN THE WORLD

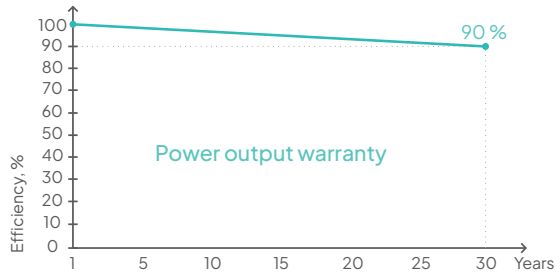
Electrical data (STC*)

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 (Vmpp/V)	29,40
Max power current (Impp/A)	15,14
Module efficiency (n)	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 measurment 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

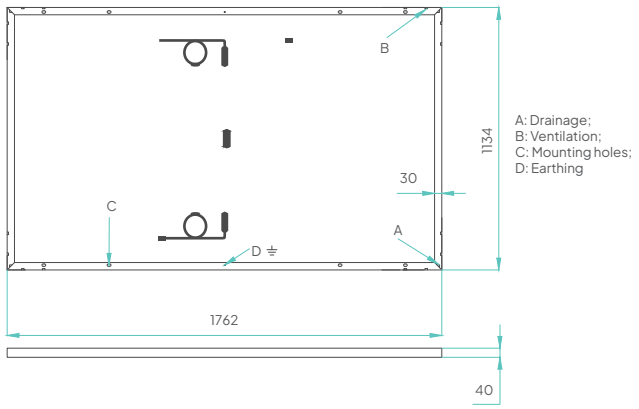
IEC 61215:2021; IEC 61730:2023	
abZ/aBG	National technical approval / General construction permit
IEC 62716:2013	Ammonia corrosion testing
IEC 61701:2020	Salt mist corrosion testing
IEC 61215-2:2021	50 mm hailstone - Hail resistance class 5 (HW5)
ISO 9001:2015	Quality management systems
ISO 14001:2015	Environmental management systems
ISO 45001:2018	Occupational health and safety
SundaHus	A level assessment
Produced using 100% renewable energy	
Membership at Svensk Solenergi	

Temperature ratings

Current temperature coefficient (α)	+0,045% / °C
Voltage temperature coefficient (β)	-0,250% / °C
Power temperature coefficient (δ)	-0,300% / °C
Nominal operating module temperature	46 °C

Mechanical data

Dimensions (LxWxH) (mm)	1762x1134x40
Weight (kg)	36
Front glass (mm)	3.2, structured, satin, 3600 cd/ m^2, 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^2)	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)	1854x1205x1250
Weight of a pallet (gross) (kg)	930
Pallets per 13,6 m truck (pcs)	26
Modules per 13,6 m truck (pcs)	624

SoliTek

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

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