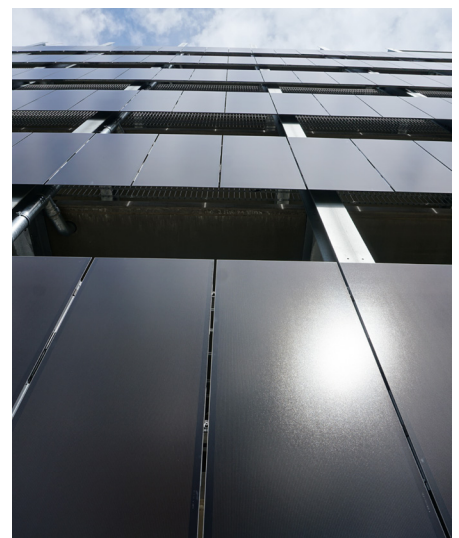


*Empower  
your facade*

SK A  
LA

## *SKALA Industry - stylish in industrial construction*

- Thin film solar module in glass-glass design without disturbing frame.
- PV module for large-scale industrial application: Design meets energy efficiency.
- Simple mounting via our proven joint mounting.
- Elegant black module, unique in design.
- Quality like SKALA, abZ-compliant, IEC-compliant.



Brand of

**AVANCIS** 



## MECHANICAL SPECIFICATION

SKALA	Value
Dimensions	1587 mm × 664 mm
Thickness	38 mm
Weight	17 kg
Cell type	CIGS
Frame	without
Front cover	3.2 mm ESG
Design load <sup>1)</sup> - Safety factor 1.5	upward 3300 Pa   downward 3500 Pa
Junction box protection class	IP67
Dimensions of junction box	60 mm × 60 mm × 11,5 mm
Cable lengths (⊖ plug   ⊕ socket)	200 mm   320 mm
Cable cross section	2.5 mm <sup>2</sup> ; minimal bending radius: 6 × outer diameter
Connector type	H4
Fire rating (roof)	Class C <sup>2)</sup>
Classification of fire behavior (building envelope)	B2 <sup>3)</sup>

<sup>1)</sup> according to IEC 61730, for standard in-joint mounting

<sup>2)</sup> according to ANSI/UL 790:2004

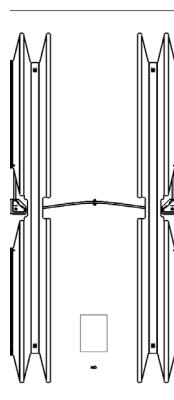
<sup>3)</sup> according to DIN 4102-1:1998-05



- Design qualification and type approval according to IEC 61215:2016
- Safety qualification according to IEC 61730:2016
- German general building approval (abZ) according to Z-70.1-224
- WEEE-number: DE33274866



664 mm



Rear side of module with backrail system for in-joint mounting

## ELECTRICAL SPECIFICATION

Data measured under standard test conditions (STC) for full size PV modules:

SKALA xxx <sup>1)</sup> B901	150
Nominal power $P_{nom}^{II)}$	150 W
Sorting	-0/+5 W
Module efficiency $\eta$	14.2%
Aperture efficiency $\eta$	15.7%
Open circuit voltage $V_{OC}^{II)}$	89.8 V
Short circuit current $I_{SC}^{II)}$	2.44 A
Voltage at mpp $V_{mpp}^{II)}$	70.4 V
Current at mpp $I_{mpp}^{II)}$	2.13 A
Max. over-current protection $I_R$	4.0 A
Max. system voltage $V_{sys}$	1000 V

STC values are valid after pretreatment with light according to IEC 61215.

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, spectral light distribution according to atmospheric mass (AM) 1.5.

<sup>1)</sup> „xxx“ corresponds to power class in Wp (in steps of 5 W)

<sup>II)</sup> Tolerance of manufacturing: -5%/+10%

Temperature coefficient	Value
Temperature coefficient $P_{nom}$	-0.39% / °C
Temperature coefficient $V_{OC}$	-230 mV / °C
Temperature coefficient $I_{SC}$	0 mA / °C

Data measured at low light intensity:

The relative reduction of the module efficiency at a light intensity of 200 W/m<sup>2</sup> is 6%, compared to 1000 W/m<sup>2</sup> at 25° C module temperature and spectrum AM 1.5. At 500 W/m<sup>2</sup>, the relative increase of module efficiency is +1%.

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### Packaging information (Standard packaging)

Size including pallet (LxWxH)	1650 mm x 800 mm x 1000 mm
Approx. gross weight (full box)	375 kg
Modules per box	20
Maximum no. of stacked boxes	1 on 1 (batch of 2)
Max. truck loading	48 (3 × 8 + 3 × 8)
Max. 40 ft container load (24 t)	28 (1 × 14 + 1 × 14)

Variation of packaging size on individual request

