

# IBEX66M-EIGER

650/655/660/665/670

IBEX HIGH EFFICIENCY MONOCRYSTALLINE SOLAR MODULES WITH HALF CELL TECHNOLOGY

**0+5** Positive power tolerance (0+5W) guaranteed



High performance under low light.  
Works at cloudy, rainy days



The monolithic per cell structure technology (low resistance characteristics) is adopted ( the maximum conversion efficiency of modules is up to 21.57%)



EXTREME WEATHER RATING. High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (3800 Pa)



Reduced resistance between cells Less micro cracks, higher output power



SUPER STRONG FRAME. The overflow tank is waterproof with double layers. Aluminum frame enhances the mechanical load strength by 10%

- ISO9001:2015: Quality Management System
- ISO45001:2018 Occupational health and safety management systems



# IBEX66M-EIGER 650-670

MONOCRYSTALLINE SOLAR MODULE

## ELECTRICAL DATA AT STC

	650	655	660	665	670
Rated power P <sub>mpp</sub> [Wp]	650	655	660	665	670
P <sub>mpp</sub> range to	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
Rated current I <sub>mpp</sub> [A]	17.28A	17.32A	17.36A	17.40A	17.44A
Rated voltage V <sub>mpp</sub> [V]	37.61V	37.81V	38.01V	38.21V	38.41V
Short-circuit current I <sub>sc</sub> [A]	18.16A	18.21A	18.26A	18.31A	18.36A
Open-circuit voltage U <sub>oc</sub> [V]	45.58V	45.78V	45.98V	46.18V	46.38V
Efficiency at STC up to	20.92%	21.09%	21.25%	21.41%	21.57%
Application Class	Class A	Class A	Class A	Class A	Class A

Specification as per STC (Standard test conditions): irradiance 1000 W/m<sup>2</sup> | module temperature 25°C | Air Mass = 1.5

## ELECTRICAL DATA AT NOCT

Power at P <sub>mpp</sub> [Wp]	491.00	495.00	499.00	503.00	507.00
Rated current I <sub>mpp</sub> [A]	14.09	14.13	14.16	14.19	14.22
Rated voltage V <sub>mpp</sub> [V]	34.86	35.05	35.24	35.42	35.60
Short-circuit I <sub>sc</sub> [A]	14.89	14.93	14.97	15.01	15.05
Open-circuit voltage U <sub>oc</sub> [V]	42.30	42.48	42.67	42.86	43.05

NOCT (nominal operating cell temperature): irradiance 800 W/m<sup>2</sup> | Wind speed 1 m/sec | Ambient temperature | 20°C cell operating temperature 45 +/-2°C | Air Mass = 1.5

## LIMITING VALUES

Max. system voltage [V]	1500V DC (IEC)
Max. return current [I]	30A
Operating Temperature	- 40 to +85°C
Max. tested pressure load [Pa] <sup>2</sup>	5400
Max. tested tensile load [Pa] <sup>2</sup>	2400

## TEMPERATURE COEFFICIENT

I <sub>sc</sub>	V <sub>oc</sub>	P <sub>max</sub>
0.05% /°C	-0.28% /°C	-0.36% /°C

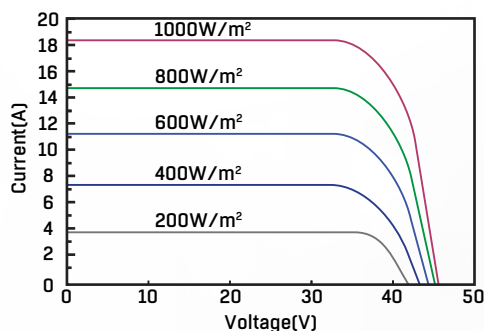
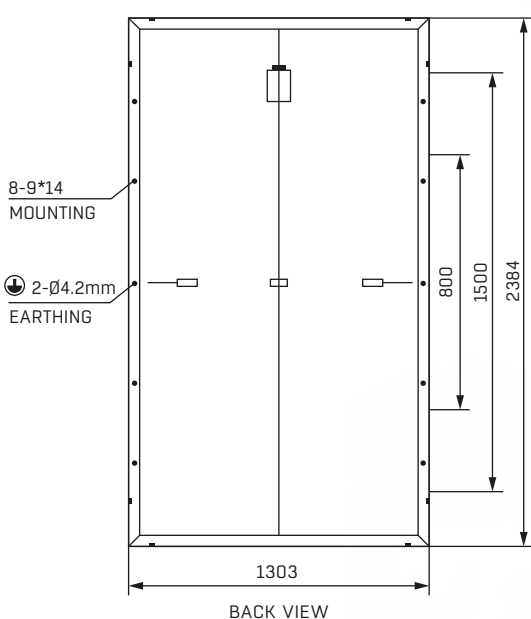
## SPECIFICATIONS

Number of cells	132 (6 x 22)   210 mm
Dimensions	2384x1303x35 mm
Weight	34 kg
Front-side glass	3.2 mm tempered Low Iron Glass
Frame	Stable, anodised aluminium frame, black
Junction box	Split Junction Box (IP68)
Cable	4 mm <sup>2</sup> , +280mm,-280mm Cust.Length
Diodes	3 Diodes
Plug-in connection	MC4 Compatible
Hail test (max. hailstrom)	Ø45mm   23 m/s   83 km/h

## PACKING CONFIGURATION

Container	40 HQ	Pieces Per Pallet	31
Pallets Per container	18	Pieces per Container	558

The specifications and average values can vary slightly. Relevant is the corresponding data of the individual measurement. Specifications are subject to change without notice. Measurement tolerance depending on equipment: rated power +/- 3%, other values +/- 10%. All information given in this data sheet corresponds to DIN EN 50380. A potential light-induced degradation of the power after commissioning is not considered here. Further information in the installation manuals. 1 The specific warranty conditions are given under [www.swissenergy-solar.ch](http://www.swissenergy-solar.ch) | 2 Horizontal mounted | 3 Tolerance L/W = +/- 3 mm. H +/-2mm, the dimensions given in the order confirmation will be decisive | 4 Location and dimensions of holes on request



## WARRANTY

**20 YEARS**  
PRODUCT WARRANTY

**30 YEARS**  
POWER WARRANTY

swiss solar

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