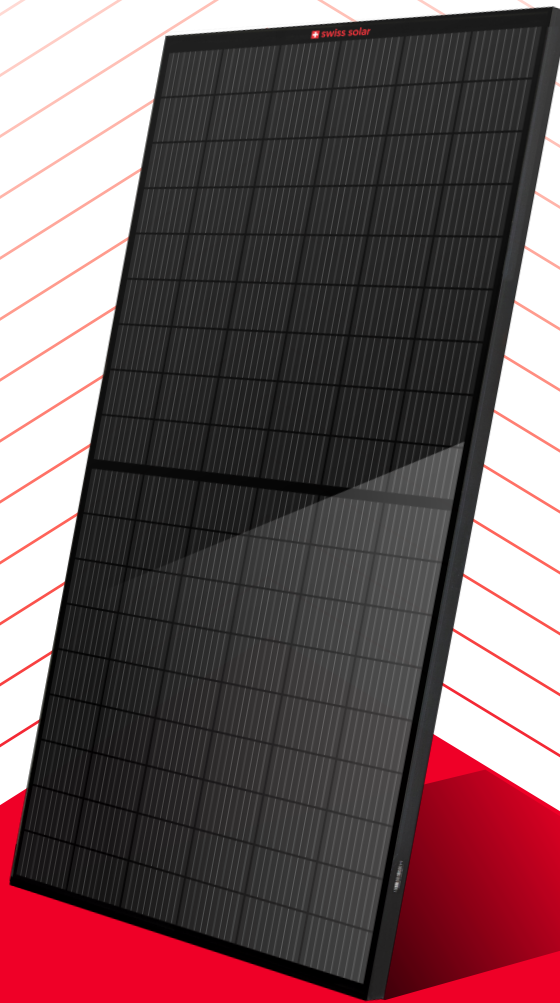


# swiss solar

QUALITY  
TECHNOLOGY

ENGINEERED IN SWITZERLAND



## IBEX 108MHC-EiGER FULL BLACK

390/395/400/405/410

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 perc cell structure technology (low resistance characteristics) is adopted (the maximum conversion efficiency of modules is up to 20.97%)



EXTREME WEATHER RATING. High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (2400 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%

- IEC61215(2016), IEC61730(2016)
- ISO9001:2015: Quality Management System
- ISO45001:2018 Occupational health and safety management systems



# IBEX 108MHC-EiGER 390-410 FULL BLACK

## MONOCRYSTALLINE SOLAR MODULE

### ELECTRICAL DATA AT STC

Module Type	390W		395W		400W		405W		410W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated power P <sub>mp</sub> [Wp]	390	290	395	293.7	400	297.4	405	301.1	410	304.8
P <sub>mp</sub> range to	0/+5W		0/+5W		0/+5W		0/+5W		0/+5W	
Rated current I <sub>mp</sub> [A]	12.66A	10.16A	12.76A	10.23A	12.85A	10.30A	12.94A	10.37A	13.04A	10.44A
Rated voltage V <sub>mp</sub> [V]	30.82V	28.56V	30.98V	28.72V	31.14V	28.88V	31.30V	29.04V	31.46V	29.20V
Short-circuit current I <sub>sc</sub> [A]	13.49A	10.84A	13.58A	10.92A	13.67A	11.00A	13.76A	11.08A	13.85A	11.16A
Open-circuit voltage U <sub>oc</sub> [V]	36.65V	34.33V	36.85V	34.51V	37.05V	34.69V	37.25V	34.87V	37.45V	35.05V
Efficiency at STC up to	19.94%		20.20%		20.46%		20.71%		20.97%	
Application Class	Class A		Class A		Class A		Class A		Class A	

### LIMITING VALUES

Max. system voltage [V]	1500V DC (IEC)
Max. return current [I]	25A
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>
0.045% /°C	-0.285% /°C	-0.35% /°C

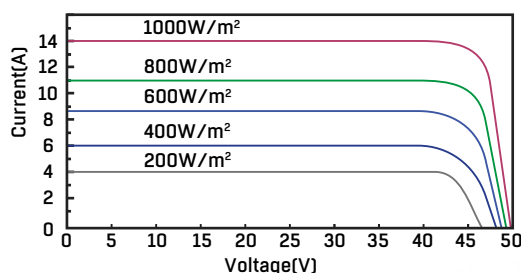
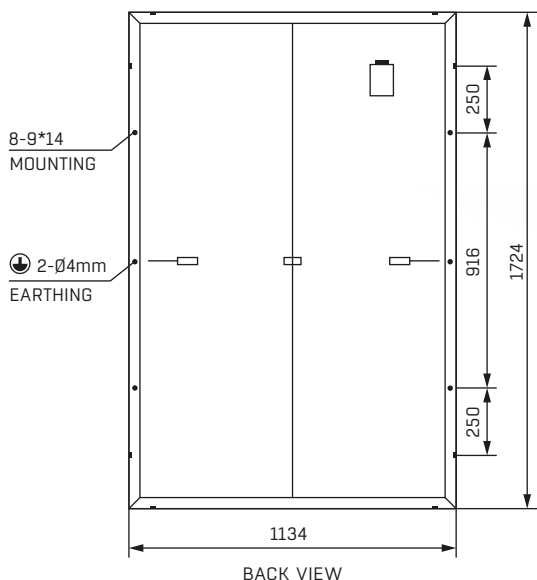
### SPECIFICATIONS

Number of cells	108 (12 x 9)   182x91 mm
Dimensions	1724x1134x30 mm
Weight	21.5 kg
Front-side glass	2.0/2.0 mm tempered highly transp. anti-reflection solar glass
Frame	Stable, anodised aluminium frame, black
Junction box	Split Junction Box (IP68)
Cable	4 mm <sup>2</sup> , +350mm,-350mm 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	37
Pallets Per container	26	Pieces per Container	962

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