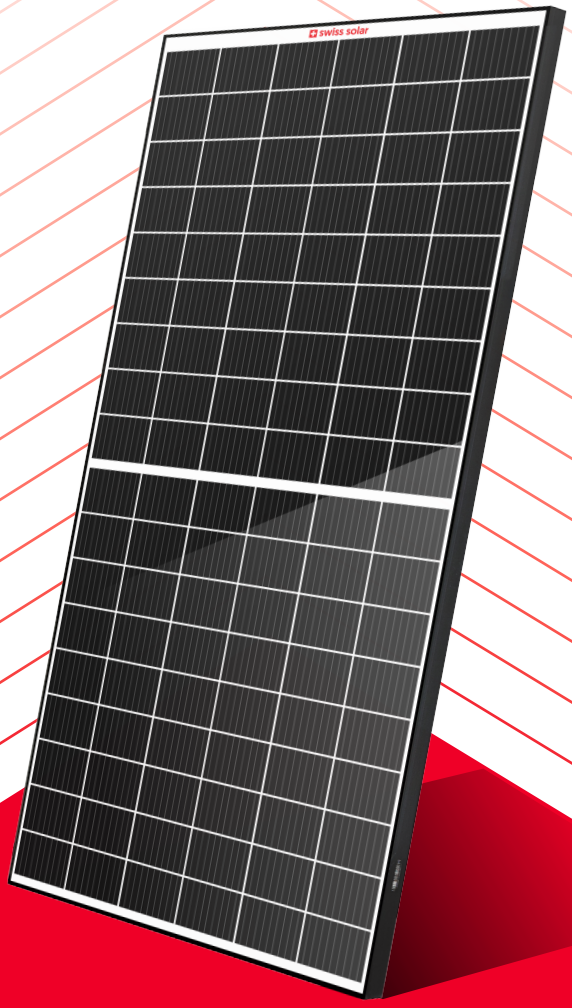
swiss solar QUALITY TECHNOLOGY

ENGINEERED IN SWITZERLAND



IBEX 108MHC-EiGER

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

10%

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

SWISSENERGY-SOLAR.CH

IBEX 108MHC-EiGER 390-410

MONOCRYSTALLINE SOLAR MODULE

ELECTRICAL DATA AT STC

Rated power Pmpp [Wp]	390	395	400	405	410
Pmpp range to	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
Rated current Impp [A]	12.82A	12.88A	12.94A	13.00A	13.06A
Rated voltage Vmpp [V]	30.42V	30.62V	30.82V	31.02V	31.22V
Short-circuit current Isc [A]	13.50A	13.55A	13.60A	13.65A	13.70A
Open-circuit voltage Uoc [V]	36.54V	36.74V	36.94V	37.14V	37.34V
Efficiency at STC up to	19.95%	20.20%	20.46%	20.72%	20.97%
Application Class	Class A	Class A	Class A	Class A	Class A

Specification as per STC (Standard test conditions): irradiance 1000 W/m² | module temperature 25°C | Air Mass = 1.5

ELECTRICAL DATA AT NOCT

Power at Pmpp [Wp]	287.00	291.00	295.00	298.00	302.00
Rated current Impp [A]	10.11	10.18	10.25	10.28	10.35
Rated voltage Vmpp [V]	28.38	28.58	28.78	28.98	29.18
Short-circuit Isc [A]	10.60	10.65	10.70	10.75	10.80
Open-circuit voltage Uoc [V]	34.09	34.29	34.49	34.69	34.89

NOCT (nominal operating cell temperature): irradiance 800 W/m² | 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]	15A
Operating Temperature	- 40 to +85°C
Max.tested pressure load [Pa]2	5400
Max. tested tensile load [Pa]2	2400

TEMPERATURE COEFFICIENT

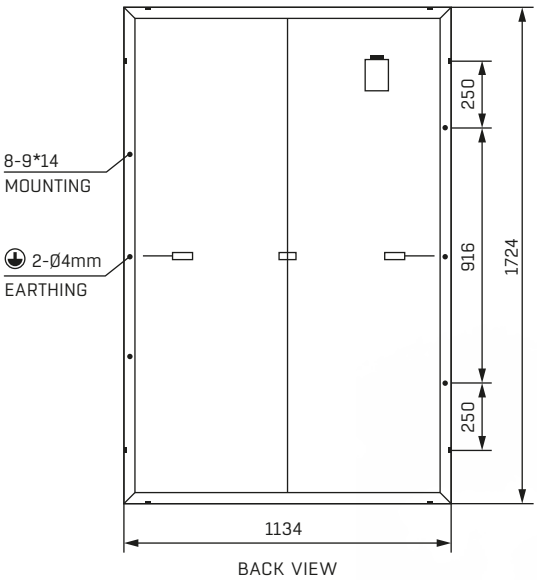
Isc	Voc	Pmax
0.05% /°C	-0.28% /°C	-0.36% /°C

SPECIFICATIONS

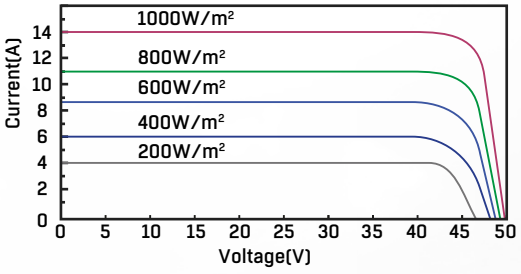
Number of cells	108 (6 x 18) I 182x182 mm
Dimensions	1724x1134x30 mm
Weight	21.5 kg
Front-side glass	3.2 mm tempered Low Iron Glass
Frame	Stable, anodised aluminium frame, black
Junction box	Split Junction Box (IP68)
Cable	4 mm², +300mm,-300mm Cust.Length
Diodes	3 Diodes
Plug-in connection	MC4 Compatible
Hail test (max. hailstrom)	Ø45mm | 23 m/s | 83 km/h

PACKING CONFIRGURATION

Container	40 HQ	Pieces Per Pallet	36
Pallets Per container	26	Pieces per Container	936



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 | 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