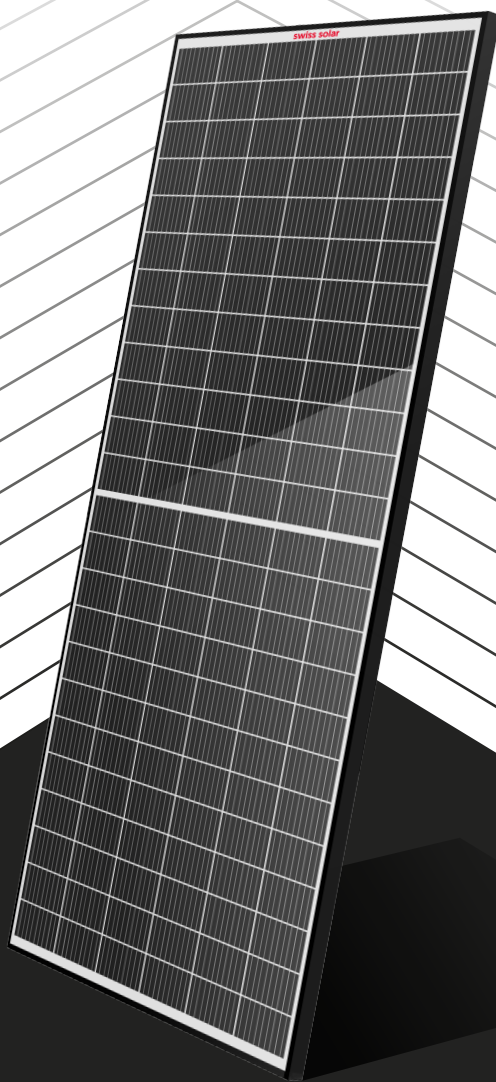




M10
182X182

HALF-CELL

IBEX 144BF-MHC-TOPCON

560/565/570/575/580



DOUBLE
GLASS

IMPROVED LOAD

pressure
6200
tensile
4200

✓ TESTED

TOPCON
CELLS INSIDE
GLASS/GLASS

SMBB

HALF-CELL
MONO PV MODULE

IBEX HIGH EFFICIENCY MONOCRYSTALLINE SOLAR MODULES WITH TOPCON CELLS TECHNOLOGY



SMBB TECHNOLOGY



EXCELLENT ANTI-PID
LOW LID PERFORMANCE



N-TOPCON CELL TECHNOLOGY



LOWER COST OF KILOWATT-HOUR
ELECTRICITY (LCOE)



LESS HOT SPOT SHADING EFFECTS



BIFACIAL CELL
MODULE TECHNOLOGIES

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



IBEX 144BF-MHC-TOPCON 560-580

MONOCRYSTALLINE SOLAR MODULE

ELECTRICAL DATA AT STC

Module Type	560W	565W	570W	575W	580W
	STC	STC	STC	STC	STC
Rated power P _{mp} [Wp]	560	565	570	575	580
P _{mp} range to	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
Rated current I _{mp} [A]	13.30A	13.37A	13.44A	13.51A	13.58A
Rated voltage V _{mp} [V]	42.11V	42.26V	42.41V	42.56V	42.71V
Short-circuit current I _{sc} [A]	14.01A	14.08A	14.15A	14.22A	14.29A
Open-circuit voltage U _{oc} [V]	51.14V	51.28V	51.41V	51.55V	51.68V
Efficiency at STC up to	21.67%	21.86%	22.06%	22.25%	22.44%
Application Class	Class A	Class A	Class A	Class A	Class A

*STC: irradiance 1000W/m², AM1.5, and cell temperature of 25°C

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum Power At STC (P _{max})	588W	593W	599W	604W	609W
	Module Efficiency STC (%)	22.75%	22.96%	23.16%	23.36%	23.56%
15%	Maximum Power At STC (P _{max})	644W	650W	656W	661W	667W
	Module Efficiency STC (%)	24.92%	25.14%	25.36%	25.59%	25.81%
25%	Maximum Power At STC (P _{max})	700W	706W	713W	719W	725W
	Module Efficiency STC (%)	27.09%	27.33%	27.57%	27.81%	28.05%

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] ²	6200
Max. tested tensile load [Pa] ²	4200

TEMPERATURE COEFFICIENT

I _{sc}	V _{oc}	P _{max}
0.045% /°C	-0.25 % /°C	-0.29% /°C

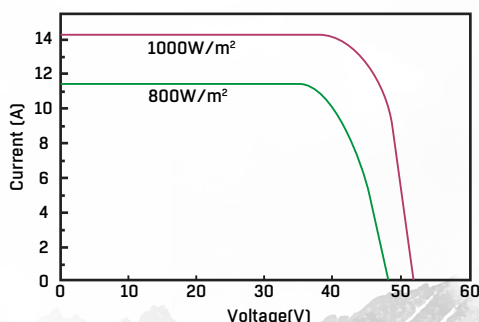
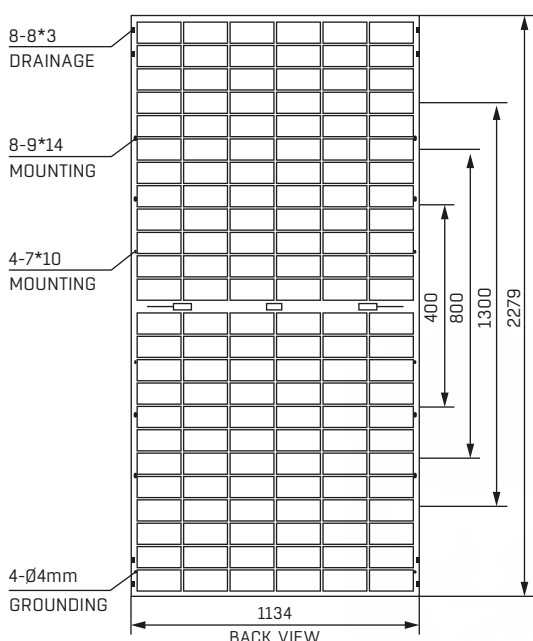
SPECIFICATIONS

Type of cells	N-type Mono
Number of cells	144 (6x24)
Dimensions	2279 x 1134 x 30 mm
Weight	31.5 kg
Front-side glass	2.0 coated semi-tempered glass
Back-side glass	2.0 semi-tempered glass
Frame	Anodized Aluminium Alloy
Junction box	Split Junction Box (IP68)
Cable	4 mm ² , +300mm,-300mm 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	36
Pallets Per container	20	Pieces per Container	720

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

25 YEARS
PRODUCT WARRANTY

30 YEARS
POWER WARRANTY

swiss solar

SWISSENERGY-SOLAR.CH