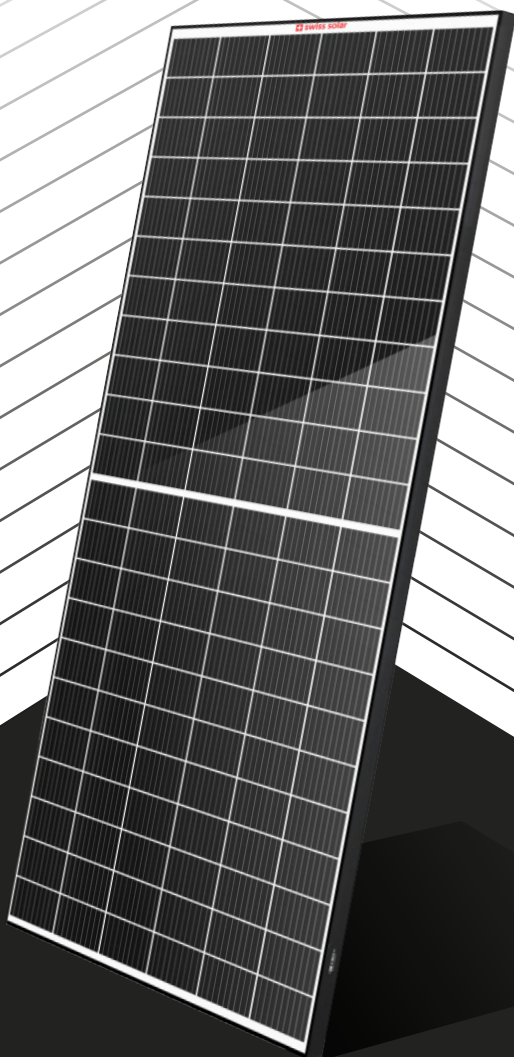




NEW TYPE
OF CELL
M12
210X210

IBEX 66BF-MHC-TOPCON

680/685/690/695/700



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



HIGHER POWER OUTPUT
LOWER BOS & LCOE



LESS HOT SPOT SHADING EFFECTS



HALF CUT CELL
TECHNOLOGY

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



IBEX 66BF-MHC-TOPCON 680-700

MONOCRYSTALLINE SOLAR MODULE

ELECTRICAL DATA AT STC

Module Type	680W	685W	690W	695W	700W
	STC	STC	STC	STC	STC
Rated power P _{mp} [Wp]	680	685	690	695	700
P _{mp} range to	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
Rated current I _{mp} [A]	17.19A	17.22A	17.25A	17.28A	17.31A
Rated voltage V _{mp} [V]	39.56V	39.78V	40.00V	40.22V	40.44V
Short-circuit current I _{sc} [A]	18.18A	18.22A	18.26A	18.30A	18.34A
Open-circuit voltage U _{oc} [V]	47.83V	48.02V	48.22V	48.42V	48.61V
Efficiency at STC up to	21.89%	22.05%	22.21%	22.37%	22.53%
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})	714W	719W	725W	730W	735W
	Module Efficiency STC (%)	22.99%	23.15%	23.32%	23.49%	23.66%
15%	Maximum Power At STC (P _{max})	782W	788W	794W	799W	805W
	Module Efficiency STC (%)	25.17%	25.36%	25.54%	25.73%	25.91%
25%	Maximum Power At STC (P _{max})	850W	856W	863W	869W	875W
	Module Efficiency STC (%)	27.36%	27.56%	27.77%	27.97%	28.17%

LIMITING VALUES

Max. system voltage [V]	1500V DC (IEC)
Max. return current [I]	35A
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}
0.04% /°C	-0.24 % /°C	-0.30% /°C

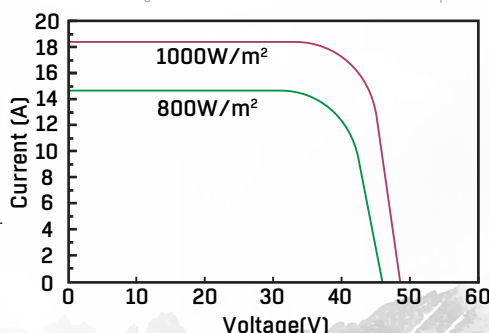
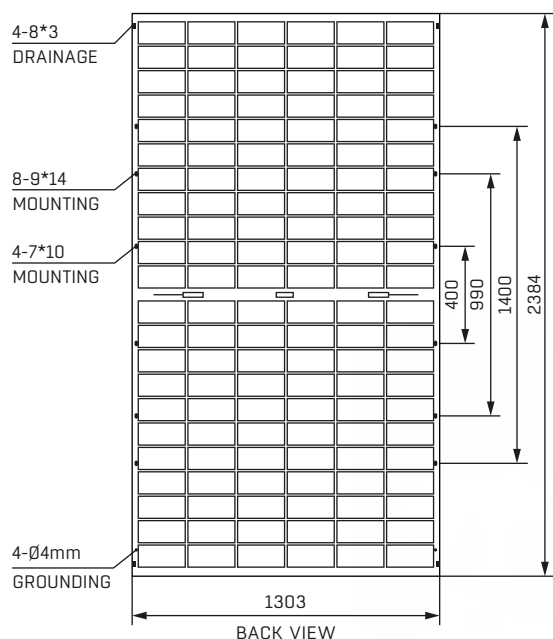
SPECIFICATIONS

Type of cells	N-type Mono
Number of cells	132 (6x22) 210x210
Dimensions	2384 x 1303 x 35 mm
Weight	38.5 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	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 | 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