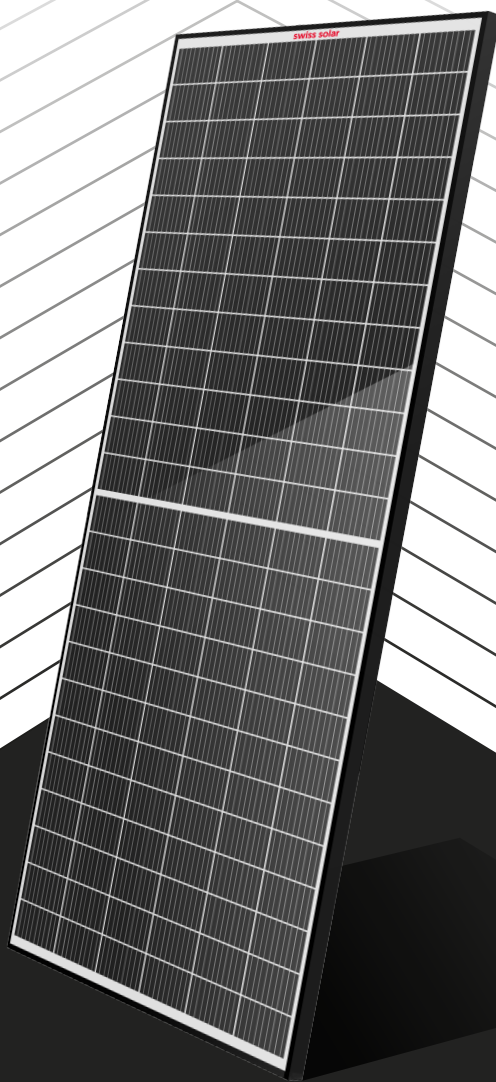




M10
199X182

HALF-CELL

IBEX 144BF-MHC-TOPCON

610/615/620/625/630



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



HALF CUT CELL
TECHNOLOGY



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 610-630

MONOCRYSTALLINE SOLAR MODULE

ELECTRICAL DATA AT STC

Module Type	610W	615W	620W	625W	630W
	STC	STC	STC	STC	STC
Rated power P _{mp} [Wp]	610	615	620	625	630
P _{mp} range to	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
Rated current I _{mp} [A]	14.13A	14.19A	14.25A	14.31A	14.37A
Rated voltage V _{mp} [V]	43.17V	43.34V	43.51V	43.68V	43.84V
Short-circuit current I _{sc} [A]	15.00A	15.06A	15.12A	15.18A	15.24A
Open-circuit voltage U _{oc} [V]	51.27V	51.46V	51.65V	51.84V	52.03V
Efficiency at STC up to	21.82%	22.00%	22.18%	22.36%	22.54%
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-REARSIDE POWER GAIN

5%	Maximum Power At STC (P _{max})	641W	646W	651W	656W	662W
	Module Efficiency STC (%)	22.91%	23.10%	23.29%	23.48%	23.66%
15%	Maximum Power At STC (P _{max})	702W	707W	713W	719W	725W
	Module Efficiency STC (%)	25.10%	25.30%	25.51%	25.71%	25.92%
25%	Maximum Power At STC (P _{max})	763W	769W	775W	781W	788W
	Module Efficiency STC (%)	27.28%	27.50%	27.73%	27.95%	28.17%

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

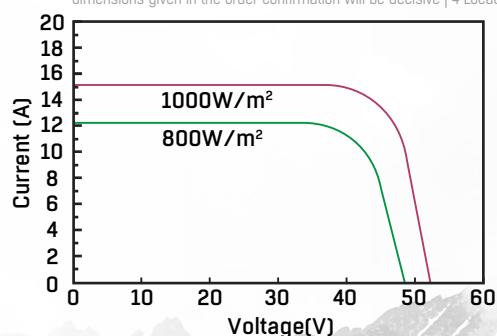
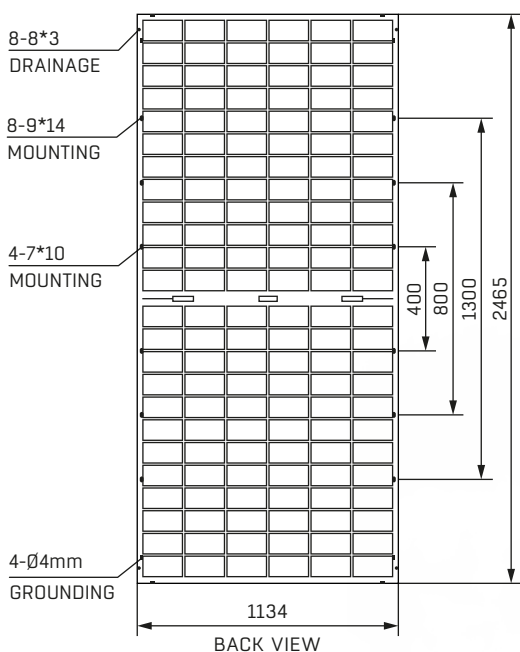
SPECIFICATIONS

Type of cells	N-type Mono
Number of cells	144 (6x24) 199x182
Dimensions	2465 x 1134 x 30 mm
Weight	34.5 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 , +280mm,-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	36
Pallets Per container	16	Pieces per Container	576

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

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