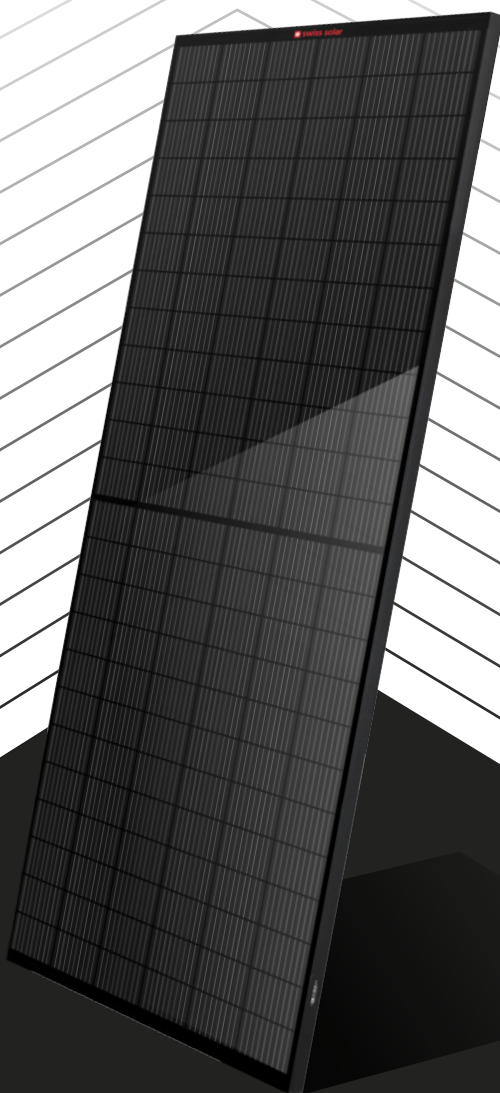




IMPROVED LOAD

pressure
6200

tensile
4200

✓ TESTED

TOPCON
CELLS INSIDE

12BB

HALF-CELL
MONO PV MODULE

IBEX 144MHC-TOPCON

560/565/570/575

BLACK

IBEX HIGH EFFICIENCY MONOCRYSTALLINE SOLAR MODULES WITH TOPCON CELLS TECHNOLOGY



SMBB TECHNOLOGY



LESS HOT SPOT SHADING EFFECTS



N-TOPCON CELL TECHNOLOGY



LOWER COST OF KILOWATT-HOUR
ELECTRICITY (LCOE)



EXCELLENT ANTI-PID
LOW LID PERFORMANCE



HIGH TECHNOLOGY
SOLAR MODULES

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



IBEX 144MHC-TOPCON BLACK 560-575

ELECTRICAL DATA AT STC

Module Type	560W	565W	570W	575W
	STC	STC	STC	STC
Rated power P _{mpp} [Wp]	560	565	570	575
P _{mpp} range to	0/+5W	0/+5W	0/+5W	0/+5W
Rated current I _{mpp} [A]	13.18A	13.25A	13.32A	13.39A
Rated voltage V _{mpp} [V]	42.49V	42.64V	42.79V	42.94V
Short-circuit current I _{sc} [A]	14.05A	14.12A	14.19A	14.26A
Open-circuit voltage U _{oc} [V]	51.03V	51.17V	51.30V	51.44V
Efficiency at STC up to	21.67%	21.86%	22.06%	22.25%
Application Class	Class A	Class A	Class A	Class A

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

ELECTRICAL DATA AT NOCT

Power at P _{mpp} [Wp]	421	425	429	433
Rated current I _{mpp} [A]	10.71	10.77	10.83	10.89
Rated voltage V _{mpp} [V]	39.31	39.46	39.61	39.76
Short-circuit I _{sc} [A]	11.33	11.39	11.45	11.51
Open-circuit voltage U _{oc} [V]	48.41	48.60	48.78	48.96

NOCT (nominal operating cell temperature): irradiance 800 W/m² | Wind speed 1m/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]	25A
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}
0.046% /°C	-0.25 % /°C	-0.30% /°C

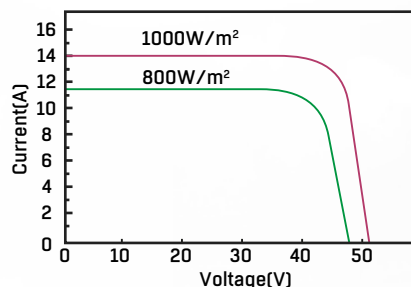
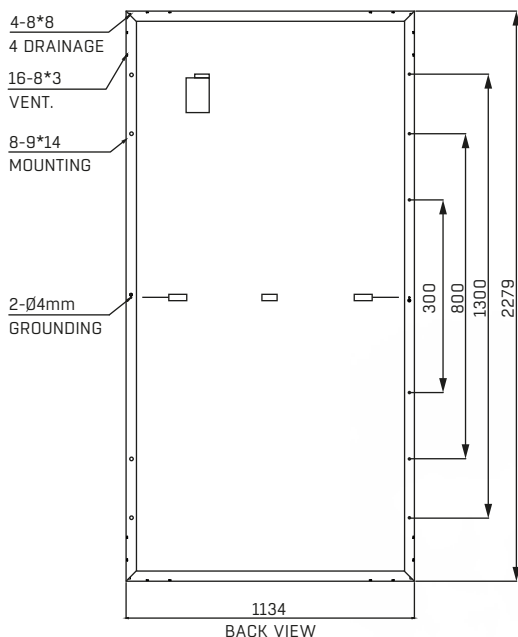
SPECIFICATIONS

Type of cells	N-type Mono
Number of cells	144 (6 x 24) 182x91 mm
Dimensions	2279 x 1134 x 35 mm
Weight	27.5 kg
Frontglass	3.2 mm coated 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	20	Pieces per Container	620

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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