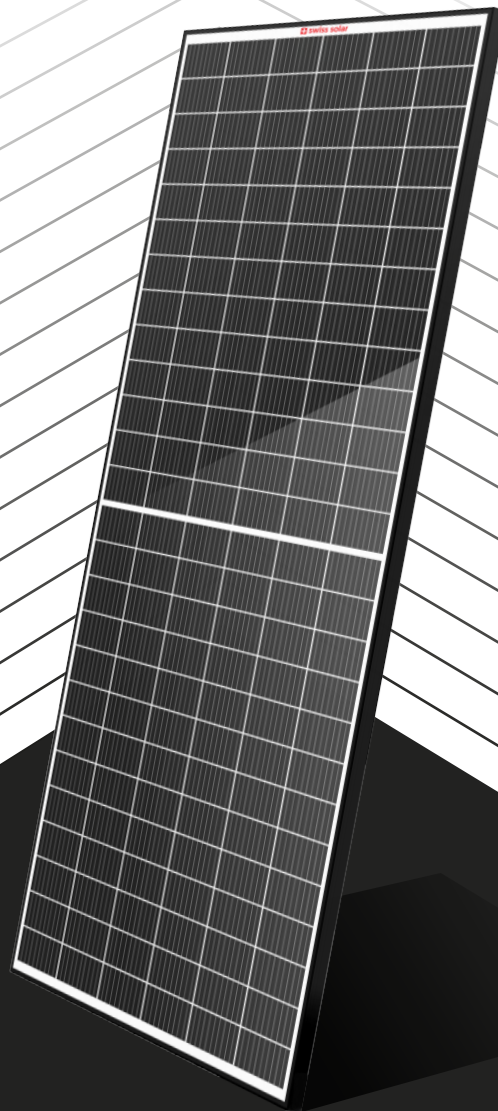




TRANSPARENT
BACKSHEET

IMPROVED LOAD

pressure
6200
tensile
4200

✓ TESTED

TOPCON
CELLS INSIDE

16BB

HALF-CELL
MONO PV MODULE

IBEX 156BF-MHC-TOPCON

600/605/610/615/620

IBEX HIGH EFFICIENCY MONOCRYSTALLINE SOLAR MODULES WITH TOPCON CELLS TECHNOLOGY



BETTER HIGH-TEMPERATURE POWER
GENERATION PERFORMANCE



HIGHER DOUBLE-SIDED REVENUE



BETTER LOW LIGHT PERFORMANCE



LOWER COST OF KILOWATT-HOUR
ELECTRICITY (LCOE)



LOWER ATTENUATION



HIGH TECHNOLOGY
SOLAR MODULES

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



IBEX 156BF-MHC-TOPCON 600-620

MONOCRYSTALLINE SOLAR MODULE

ELECTRICAL DATA AT STC

Module Type	600W	605W	610W	615W	620W
	STC	STC	STC	STC	STC
Rated power P _{mp} [Wp]	600	605	610	615	620
P _{mp} range to	0/+5W	0/+5W	0/+5W	0/+5W	0/+5W
Rated current I _{mp} [A]	13.22A	13.30A	13.39A	13.47A	13.55A
Rated voltage V _{mp} [V]	45.39V	45.49V	45.59V	45.69V	45.79V
Short-circuit current I _{sc} [A]	13.97A	14.04A	14.11A	14.18A	14.25A
Open-circuit voltage U _{oc} [V]	54.95V	55.10V	55.25V	55.40V	55.55V
Efficiency at STC up to	21.46%	21.64%	21.82%	22.00%	22.18%
Application Class	Class A	Class A	Class A	Class A	Class A

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

PARAMETER OF DOUBLE-SIDED POWER GENERATION (620W)

P _{max} gain	P _{max} /W	V _{mp} /V	I _{mp} /A	V _{oc} /V	I _{sc} /A
5%	651	45.79	14.23	55.55	14.96
15%	713	45.79	15.58	55.55	16.39
25%	775	45.79	16.94	55.55	17.81

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}
0.046% /°C	-0.25 % /°C	-0.30% /°C

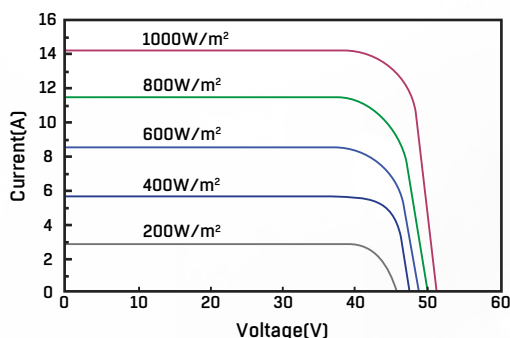
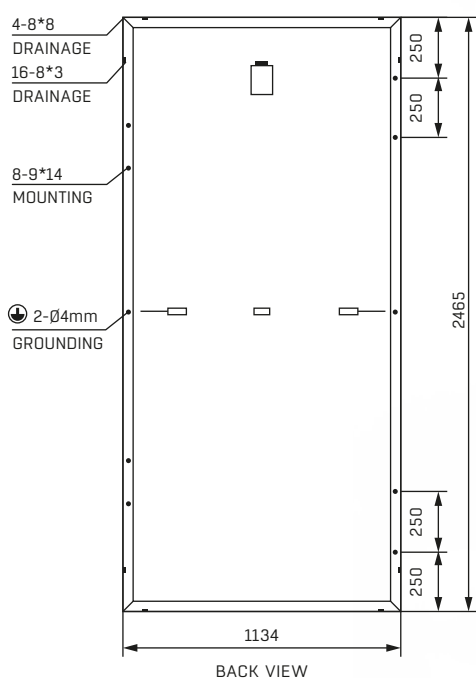
SPECIFICATIONS

Type of cells	N-type of Bifacial Black Mono
Number of cells	156 (12x13) 182x91mm
Dimensions	2465 x 1134 x 35 mm
Weight	30.7 kg
Front-side glass	3.2 mm ^{high transmission, low iron, tempered glass}
Frame	Anodized Aluminium Alloy
Junction box	Split Junction Box (IP68)
Cable	4 mm ² , +350mm,-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	31
Pallets Per container	16	Pieces per Container	496

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